

20000419.qrp v01_n796.qrl.20000419

Date: Wed, 19 Apr 2000 19:03:09 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1796

QRP-L Digest 1796

Topics covered in this issue include:

- 1) [68166] Re: Amazing Price
by Wa3ptg@aol.com
- 2) [68167] Re:Trail Friendly QRP.
by Allan G Taylor <agtaylor@llnl.gov>
- 3) [68168] Re: Amazing Price
by "Ed Manuel (N5EM)" <n5em@flash.net>
- 4) [68169] FS: OHR 400
by k5zty@juno.com
- 5) [68170] Black Widow pole
by "Dave Benham" <dodgeboy@mindspring.com>
- 6) [68171] Glowbugs
by Walt Turansky <wturansky@home.com>
- 7) [68172] Re:Trail Friendly QRP.
by "Michael Bower - N4NMR" <bowerm@ix.netcom.com>
- 8) [68173] Re:Trail Friendly QRP.
by "Victor Blackwell" <victor@brecnet.com>
- 9) [68174] Re: Trail Friendly QRP
by "Bruce Prior" <n7rr@hotmail.com>
- 10) [68175] FOR SALE
by "jay henson" <jbhenson@zebra.net>
- 11) [68176] [Fwd:ham call letter on leased vehicles
by Laura A Fisher <wlfisher@bellatlantic.net>
- 12) [68177] April 1st Appalachian Trail Trip (long)
by "Ron Polityka" <wb3aal@talon.net>
- 13) [68178] Let's Celebrate!!!!
by "jay henson" <jbhenson@zebra.net>
- 14) [68179] Variable caps for HW8
by Stuart Rohre <rohre@arlut.utexas.edu>
- 15) [68180] Re: Trail Friendly QRP.
by Jim/Julia <w7ls@blarg.net>
- 16) [68181] Re: Glowbugs
by Ray Colbert <af852@rgfn.epcc.edu>
- 17) [68182] Re: FS: Tuners, SCAF
by Roger Hightower <n7kt@worldnet.att.net>
- 18) [68183] FOR SALE Follow Up
by "jay henson" <jbhenson@zebra.net>
- 19) [68184] Portable Antenna

- by Elliott Lawrence <edl@pacbell.net>
- 20) [68185] PROP: Corrections to calculations
by "Paul Harden, NA5N" <na5n@rt66.com>
- 21) [68186] DSW-40 and Small Wonder Labs
by Vance Huntsinger <vhuntsinger@iwic.net>
- 22) [68187] Re: Tyvek for Scott Sled Kite (antenna hook)
by "David Porter" <dporter@voicenet.com>
- 23) [68188] Re: Portable Antenna
by Al Patrick <arp@inet4u.com>
- 24) [68189] Good Wire Antenna
by "Dan Reynolds" <bcdlr13@home.com>
- 25) [68190] HW-8 tuning cap
by "Ken Hanks" <captbfd@yahoo.com>
- 26) [68191] Open wire fed inverted "V" ????
by KB7WW Art Moe <kb7ww@chatusa.com>
- 27) [68192] Re: Royal Order of Wouff Hong
by KD1YV <kdl1yv@mindspring.com>
- 28) [68193] Sorry K0EVZ QSL's are being delayed
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 29) [68194] [fpqrp] FISTS Sprint Sprint
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 30) [68195] Re: Portable Antenna
by Barry J Minsky <w2bj@juno.com>
- 31) [68196] Zombie Pin reaches end of Oregon Trail!!
by "K7FD-N7SG" <cqdx@teleport.com>
- 32) [68197] Re:Trail Friendly Radio
by Ed Loranger <we6w@qsl.net>
- 33) [68198] Re: Trail Friendly QRP.
by "Ed Manuel (N5EM)" <n5em@flash.net>
- 34) [68199] Re: More Toroidal Questions
by "Leon Heller" <leon_heller@hotmail.com>
- 35) [68200] Re: [Antennas] Open wire fed inverted "V" ????
by "Pastor-kc1di" <ELBC@PIVOT.NET>
- 36) [68201] DSW 20 question
by paule@sfu.ca
- 37) [68202] Sierra for sale to Silverspring
by "Scott Howell" <n3byy@speakeasy.org>
- 38) [68203] Re: Open wire fed inverted "V" ????
by ac5ez@webtv.net (K1zw)
- 39) [68204] Re: Trail Friendly Qrp Rig
by "Lau, Zack, W1VT" <zlau@arrl.org>
- 40) [68205] FS mm3
by paul taylor <ptay1@miro.bestweb.net>
- 41) [68206] Re: DSW-40 and Small Wonder Labs
by Joe Reed <joe@n9jr.dyndns.org>
- 42) [68207] Re: Royal Order of Wouff Hong
by w8ln@ifreedom.com
- 43) [68208] SOLD

by "jay henson" <jbhenson@zebra.net>
44) [68209] Re: OT - VE question
by "Dave Ek" <ekdave@earthlink.net>
45) [68210] PRC-75
by "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
46) [68211] Re: Zombie Pin reaches end of Oregon Trail!!
by Bruce Rattray <rattray@gpfn.sk.ca>
47) [68212] Omni C **SOLD**
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
48) [68213] Omni = she's yours :-)
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
49) [68214] Re: Trail Friendly QRP.
by Steve Yates <aa5tb@yahoo.com>
50) [68215] hearing weak signals and MDS
by Anthony Felino <anthony@pacinfosb.com>
51) [68216] Re: DSW 20 question
by "Bob Tellefsen" <n6wg@earthlink.net>
52) [68217] Re: hearing weak signals and MDS
by Steve Yates <aa5tb@yahoo.com>
53) [68218] NC20 10 Turn Pot Question
by "David Bixler" <DBixler@co.seneca.k12.mo.us>
54) [68219] Info Wanted
by haf47@juno.com
55) [68220] Re: NC20 10 Turn Pot Question
by "Mike Yetsko" <myetsko@insydesw.com>
56) [68221] RE: NC20 10 Turn Pot Question
by "AI2Q Alex" <ai2q@ispchannel.com>
57) [68222] For Sale! 10 m allmode tranceiver
by tailfeathers@juno.com
58) [68223] OT: Price for IC-751A and accesories ??
by kb9iua@juno.com
59) [68224] Re: NC20 10 Turn Pot Question
by Danh Le <ke6d@juno.com>
60) [68225] Re: NC20 10 Turn Pot Question
by Allan G Taylor <agtaylor@llnl.gov>
61) [68226] [PROP] 18Apr CME "Movie"
by "Paul Harden, NA5N" <na5n@rt66.com>
62) [68227] Re: NC20 10 Turn Pot Question
by "Mike Yetsko" <myetsko@insydesw.com>
63) [68228] WTB: ARRL Antenna Handbook & Compendiums
by "Kelly Ellison" <kelman@dialnet.net>
64) [68229] Outstanding Job by George Heron and NJ QRP Club
by "Mike =?ISO-8859-1?Q?N=D8WDM"?= <michaelbstjames@email.msn.com>
65) [68230] Re: hearing weak signals and MDS
by "Paul Harden, NA5N" <na5n@rt66.com>
66) [68231] OT: Price for IC-751A and accesories ??
by stan@cruzio.com
67) [68232] Re: Outstanding Job by George Heron and NJ QRP Club

by "Don Wines" <dwines@tyler.net>
68) [68233] OT: WTB Mobile Mount
by AD6EZ@aol.com
69) [68234] Solar panel info needed
by M Goins <mgoins@usa.net>
70) [68235] Re: NC20 10 Turn Pot Question
by "John J. McDonough" <wb8rcr@arrl.net>
71) [68236] KITS: DSW power output measurements
by n5ib@juno.com
72) [68237] FW: Oops... BIG TIME
by "Ed Tanton" <n4xy@att.net>
73) [68238] Re: hearing weak signals and MDS
by Steve Yates <aa5tb@yahoo.com>
74) [68239] FS:crystals
by Bruce Rattray <rattray@gpfn.sk.ca>
75) [68240] Re: Variable caps for HW8
by "Mike Czuhajewski" <wa8mcq@erols.com>
76) [68241] Re: [PROP] 18Apr CME "Movie"
by Ray Colbert <af852@rgfn.epcc.edu>

Date: Tue, 18 Apr 2000 19:06:16 EDT
From: Wa3ptg@aol.com
To: Wb8siw@aol.com, qrp-1@lehigh.edu
Subject: [68166] Re: Amazing Price
Message-ID: <7d.3b83d30.262e4468@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I just don't know.

My latest key cost 26 cents. Am I doing something wrong?

72 DE WA3PTG
Harry (Hap) Hurst NJQRP-EPAQRP
Wilmington DE QRP-L #1464

Date: Tue, 18 Apr 2000 16:31:22 -0700
From: Allan G Taylor <agtaylor@llnl.gov>
To: qrp-1@Lehigh.EDU
Subject: [68167] Re:Trail Friendly QRP.
Message-ID: <38FCF04A.32BE@llnl.gov>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ed, you mean you had a 2nd 7AH battery in that teeny pack of yours last July?? No wonder you ran out of gas at 8500'.

Of course Ed's point is to get out and DO IT, but if someone is really spec'ing a rig specifically for backpacking many of the rigs will be culled out based on just the criteria I used in my previous post. My K2, in spite of being a superb rig, is NOT going along for an 8-day backpacking trip at altitude. It would take up too much room I need for that chair, TV, VCR, large format camera, kitchen sink... (Harumph!)

The real truth is that we (N7XJ and K7GT) are going through the decision steps right now as to what will go in our packs in August. I think I have convinced Bob that the ZM2 needs to go along (weighs 7 oz by my scale). Batteries and then antennas are now the big issues. (We have settled on rigs, each taking small ones for 40 and 20m--this provides redundancy in case one rig dies on the trail...it happens, ask Ed) I, for one, want MY pack to be some lighter than last year's. No coax-fed dipoles with 50' feedline again. I will be taking alkaline cell batteries (C or D cells, 10 pack) instead of lead-acid batteries (higher usable energy density) and actually slightly lighter than the 7Ah cell. Lithium cell packs for backup. Expensive but very light. Can be used in flashlights, weather radios, etc., an important detail.

Oh, I should have mentioned the DSW-** rigs. I would rate them marginal for backpacking only because their rx current draw is a bit high at 35-40 mA. Their packing and features are excellent, however.

GT

--

Allan Taylor K7GT agtaylor@llnl.gov

Pleasanton CA

Date: Tue, 18 Apr 2000 18:36:03 -0500
From: "Ed Manuel (N5EM)" <n5em@flash.net>
To: Wa3ptg@aol.com
Cc: qrp-l@lehigh.edu
Subject: [68168] Re: Amazing Price
Message-ID: <4.1.20000418183519.009b3100@pop.flash.net>

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

NO, NO, you got it. Buy low and resell it on Ebay for \$100. Just like Internet Stocks :-)

At 07:06 PM 4/18/00 -0400, you wrote:

>I just don't know.

>

>My latest key cost 26 cents. Am I doing something wrong?

>

>72 DE WA3PTG

>Harry (Hap) Hurst NJQRP-EPAQRP

>Wilmington DE QRP-L #1464

>

Date: Tue, 18 Apr 2000 18:44:26 -0500
From: k5zty@juno.com
To: qrp-l@lehigh.edu
Subject: [68169] FS: OHR 400
Message-ID: <20000418.184507.-104513.0.k5zty@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

For sale to a good home: OHR 400 four band transciever with built in keyer. Adjustable 5 watts + out on 80, 40, 30, and 20 meters CW with original manual. Built by me in June '96, aligned by Oak Hills Research in Nov.'96. Documentation included. Five mods. 1. Moved power out control to front panel., 2. added reverse polarity protection, 3. added red and black 5 way binding post to rear panel for auxiluary power in and out connections, 4. put over size solid brass tuning knob on tuining dial. (original plastic knob included). 5. added built in speaker inside top cover.

This radio works perfectly and has a great receiver. The cabinet has some scuff marks on it from going portable but there are no dings. dents or gouges. It looks good.

\$250.00 shipped priority mail con. U.S.. (insurance not included)

Bill, K5ZTY
Houston, TX
k5zty@juno.com

Date: Tue, 18 Apr 2000 19:44:59 -0400
From: "Dave Benham" <dodgeboy@mindspring.com>
To: <qrp-l@Lehigh.EDU>
Subject: [68170] Black Widow pole
Message-ID: <00f101bfa990\$1ca31da0\$93d079a5@hqa.chrysler.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

FYI, I saw the 20' Black Widow pole for sale at Gander Mountain today for \$15.95. It did not appear to be a sale price. I have no idea if other Gander Mountain stores have it for this price, but that is significantly cheaper than I've seen it at Bass Pro and other stores.

In case some may not know, this is the basic pole used for the St. Louis Vertical (almost identical to the South Bend version).

I have no connection to any of this, but have built a St. Louis Vertical with one of these.

72,
Dave K8TRF

Date: Tue, 18 Apr 2000 16:52:36 -0700
From: Walt Turansky <wturansky@home.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [68171] Glowbugs
Message-ID: <38FCF543.6DF3A3BB@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

A few weeks ago I subscribed to this qrp-l list. I've been happily reading along but just realized that I haven't seen a message from the Glowbugs list in quite a while. I tried a test message and it bounced back.

Does anyone know what happened to Glowbugs?

73 de KW7WT,
Walt

Date: Tue, 18 Apr 2000 20:00:14 -0400
From: "Michael Bower - N4NMR" <bowerm@ix.netcom.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [68172] Re:Trail Friendly QRP.
Message-ID: <038e01bfa992\$3e050920\$0100a8c0@dadsmachine>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Allan, you mention weight and size as criteria.

Might I suggest the Rainbow Tuner over the ZM-2. It is much smaller even when put into the Doug Hauff (sp?) case and about half the weight. If you put the RT in an Altoids tin it is even smaller and lighter.

Only drawback is that it is for random length wire only but that seems where you are headed for the antenna anyway.

Michael

----- Original Message -----
From: Allan G Taylor <agtaylor@llnl.gov>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Tuesday, April 18, 2000 7:31 PM
Subject: Re:Trail Friendly QRP.

> Ed, you mean you had a 2nd 7AH battery in that teeny pack of yours last
> July?? No wonder you ran out of gas at 8500'.

>

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> too much room I need for that chair, TV, VCR, large format camera,
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> happens, ask Ed) I, for one, want MY pack to be some lighter than

> last year's. No coax-fed dipoles with 50' feedline again. I will
> be taking alkaline cell batteries (C or D cells, 10 pack) instead
> of lead-acid batteries (higher usable energy density) and actually
> slightly lighter than the 7Ah cell. Lithium cell packs for backup.
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> marginal for backpacking only because their rx current draw is a bit
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>
>
> GT
>
> --
> Allan Taylor K7GT agtaylor@llnl.gov
>
> Pleasanton CA

Date: Tue, 18 Apr 2000 20:08:35 -0400
From: "Victor Blackwell" <victor@brecnet.com>
To: <agtaylor@llnl.gov>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [68173] Re:Trail Friendly QRP.
Message-ID: <000801bfa993\$68c08f80\$5b5730d1@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Wow, I checked my e-mail and thought a bomb (hello NSA) went off. I am overwhelmed with the many, many thoughtful replies. Much food for thought and things to ponder.

Those of you who have built the kits, can you tell me which rigs are built up on a PC board with the control all electrically connected. Specifically, I mean controls, jacks, connectors. etc.

I would like to put everything in a case so that everything can come out of the top of the cabinet. So rig can be set on the ground next or in front of me and operated from that position. It is common practise to have the controls on the front of the rig and connectors on the back. Well I don't think this is very trail friendly. After a little while of sitting on the ground and trying to read dials or what ever it is a litteral pain. (you name the body part) May be I am looking at this all wrong. But I have used lots of rigs in the field that look real pretty sitting on a desk but not

all that functional in the field. I think you get the idea if you have been there.

Controls on the top, connectors out the back may be just fine.

Any suggestions?

Vic AD8K

Original Message-----

From: Allan G Taylor <agtaylor@llnl.gov>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Date: Tuesday, April 18, 2000 7:32 PM

Subject: Re:Trail Friendly QRP.

>Ed, you mean you had a 2nd 7AH battery in that teeny pack of yours last
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>(We have settled on rigs, each taking small ones for 40 and 20m--
>this provides redundancy in case one rig dies on the trail...it
>happens, ask Ed) I, for one, want MY pack to be some lighter than
>last year's. No coax-fed dipoles with 50' feedline again. I will
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>of lead-acid batteries (higher usable energy density) and actually
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>marginal for backpacking only because their rx current draw is a bit
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>

>

>GT

>
>--
>Allan Taylor K7GT agtaylor@llnl.gov
>
>Pleasanton CA

Date: Tue, 18 Apr 2000 17:25:54 PDT
From: "Bruce Prior" <n7rr@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [68174] Re: Trail Friendly QRP
Message-ID: <20000419002554.26899.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Top of the list: a DSW from Small Wonder Labs for the band(s) of your choice. If you want reliable local communications, one of the lower bands is best, but your antenna, probably something like a half-wave center-fed dipole, will have to be longer and therefore heavier.

I've used a DSW-40 on several backpacking trips. Its low receive current drain means I don't have to carry a ton of batteries and its audio frequency readout makes it easy to use by candlelight in the tent. The only thing you might have to peer at is your log. Margaret gave me a nifty lighted pen to solved that problem. With the addition of one small inductor, I've modified my DSW-40 to receive LSB, so I can talk to phone stations, taking advantage of whole-band coverage of the DSW. 40-m has the big advantage of being open to somewhere virtually all of the time.

For this summer's Pacific Northwest outings, I've ordered a DSW-80. With a similar LSB receive mod for that, I'll be able to check into the many evening phone nets, as well as the usual CW nets.

I'm building a Red Hot Norcal 20, which I might take on some day-hikes for some mid-day DXing, but its receive current drain is pretty high, so I wouldn't want it along on a longer trip. Maybe next year I'll spring for a DSW-20 to take along on, say, a multi-week trip in a very remote area like the interior of British Columbia or Alaska. I will modify it as well for USB by adding one inductor.

72, Bruce Prior N7RR / VE7HR in Blaine, WA

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Tue, 18 Apr 2000 19:40:45 -0700
From: "jay henson" <jbhenson@zebra.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [68175] FOR SALE
Message-ID: <000401bfa9a8\$aac06a80\$92ee0cd1@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello to all in the group.

I have the following items for sale:

JPS NIR-12 Dual DSP Noise/Interference Reduction Unit s/n 2098
 I have owned this item for 5 years. It is fully operational
 and a 9.5 out of 10 in appearance. I do not have the
 wall wart PS for it. Original operators manual included.
 \$100.00

Ten Tec 509 Transceiver S/N 509-4383 - I bought the radio about
 6 years ago. Appearance wise, a 7 out of 10. It is complete
 and operates on all 5 bands. Power output is approx 1 watt on
 80, 2 watts on 40 and 1/2 watt on 20, 15 and 10. I have been
 unable to resolve the low power on the top 3 bands and 80. The
 finals and both drivers were replaced in an effort to isolate the
 problem. I have a xerox copy of the operators manual.
 \$125.00

Both units have captured many fox tails over the last couple of years. If
there is anyone that wants both, \$200.00 takes them.

Please reply direct as I receive the list in digest mode.

jay jbhenson@zebra.net
N4XDW
QRP-L 1372 ARCI 8131 SOC 220
"All too often, we do smart things only after exhausting every
conceivable dumb thing we could have done."

Date: Tue, 18 Apr 2000 20:24:30 -0400

From: Laura A Fisher <wlfisher@bellatlantic.net>
To: ". Eastern PA QRP Club" <epaqrp-1@Lehigh.EDU>, "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [68176] [Fwd:ham call letter on leased vehicles
Message-ID: <38FCFCBD.B9241185@bellatlantic.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

please post the all readers in the state of nj and ask each one to
send a qsl card to their assembly person and ask them to vote for this
bill tn timer k2gvc

k3jff@worldnet.att.net wrote:

> Bill:
>
> there is nothing in front of the NJ Legislature on towers
> at this time. The Bill in front of the Assembly and soon
> to be in the Senate is a Bill changing the statutes
> concerning Ham license plates. It is Number A1593. It
> adds Amateur Radio to the plate and permits leased
> vehicles to have HAM Plates.
>
> --
> -73-K3JF
> Jeff Friedman
> Section Manager - Northern New Jersey
>
> > what was that bill you talked about on sat at the qcwa luncheon
> > on the state of nj about towers please send the info back so i
> > can tell the people in the groups i belong. such as nars, njqrp
> > qcwa, and etc. if send it i will pass it on to these groups 73's
> > bill k2gvc@arrl.net
> >

Date: Tue, 18 Apr 2000 21:07:59 -0400
From: "Ron Polityka" <wb3aal@talon.net>
To: ". QRP-L" <qrp-1@Lehigh.EDU>
Cc: ". NJ QRP-L" <njqrp@njqrp.org>
Subject: [68177] April 1st Appalachian Trail Trip (long)
Message-ID: <072f01bfa99b\$b4ac9ee0\$1ee508cf@wb3aal>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well I guess it is better late than never. So I am going to give a little story about Len, N2BSC, and Ron, WB3AAL, trip on the Appalachian Trail on the 1st of April.

We started out and had breakfast at a great dinner on the way to the access point to the Appalachian Trail. To our surprise the place was packed, so we were served and got out of there quick.

We started up the trail at the Hamburg, PA reservoir. We hiked up at a fairly rapid pace. The total trip is only 1.4 miles and you travel around 1000 ft. up the mountain. It took us around one hour and 10 minutes with a couple of breaks in between. The Appalachian Trail in the PA area is very rocky. But the location we were at is called Pulpit Rock and the Lehigh Astronomical Society has several building there with a wide open grass field lined with trees.

As soon as we arrived at the operating spot we started to set up our antennas. I was using the Killer Vertical that was in the QST issue of June 99. Well I have to find another antenna, the trees are not high enough to have the 33' antenna, 10' off the ground. So I pulled the top 10' of the antenna over the branch. I was using my Ten Tec 515 radio with the Poqet PC for logging and keying. I had a 7 ah battery which I had connected to my new flexible solar panel which kept a good trickle charge going all the time. The following is my log from that day.

40 Meters

W3BBO 15:54 Erie, PA
K2BHQ 16:03 Franklin, NC
K3ZX 16:14 Airville, PA
NA1XX 16:31 Weymouth, MA
K1VP 16:39 Belmont, NH
W8TG 16:50 Hillsboro, OH
Gontier, France
W3EEK 18:58 Tamaqua, PA
LA
KA2FDA 19:20 Newfane, NY
Denmark
W0SZP 19:26 Chesapeake, VA
W1PID 20:06 Sanbornton, NH
KB1CKS 20:18 Abbot, ME
N3AO 20:31 Paoli, PA
K8DZG 20:43 Dimondale, MI

20 Meters

N2BSC 17:18 AT, PA
15 Meters
F8GB 17:29 Chateau
N5IB 17:37 Baton Rouge,
OZ2CE 17:49 Maarslet,

Len, N2BSC, was using a Gusher antenna made by N2CX for 20 Meters.
He was using his Wilderness Radio with a straight key and a 7 ah battery.
Here are the QSO's he made while we were on the AT.

AF4PP	14:38	GA
KG4EVW	14:56	FL
KD8PW	16:24	MI
WB3AAL	17:18	PA
KB8AZS	17:43	OH
K7ZYU	20:23	MS

We had a good time and we had a lot of visitors. There was an estimate of 20 people in different groups taking a day hike. We had to explain what we were doing to the different groups. The a group from the observatory showed up and we had a one hour chat with them. Well it looks like we will be looking for a new place to operate on the Appalachian Trail, the Federal Government is creating a Astronomical Park were we operate. So we will no longer be able to operate from this site when the park is created.

72 & 73
Good DXing

Ron Polityka
de WB3AAL
wb3aal@talon.net

vvv Eastern Pennsylvania QRP Web Page vvv
<http://www.n3epa.org>
Eastern Pennsylvania QRP Club Call
N3EPA E-mail address: n3epa@talon.net

EPA QRP #1	NJ QRP #179
KL7 QRP # 309	G-QRP # 3031
ARCI QRP # 5318	10 - X #13173
NorCal	Zombie #625
ARS # 380	HI-QRP #153
VA QRP Society	

Date: Tue, 18 Apr 2000 20:13:37 -0700
From: "jay henson" <jbhenson@zebra.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [68178] Let's Celebrate!!!!
Message-ID: <005201bfa9ad\$428aeb20\$92ee0cd1@default>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ed (W1RFI) wrote:

"Somehow, in thinking about this enough to write this post, our differences do not seem big enough to argue about, but our common bonds seem strong enough to be cause to celebrate. Let's celebrate each other in the fellowship that has made the QRP community strong enough to move mountains and to bring back the magic that otherwise would have faded for so many! "

Ed and all,

What a great piece of reading. I have saved the post to print and frame.
It will be posted
in the shack.

Well said, Ed.

jay
N4XDW
QRP-L 1372 ARCI 8131 SOC 220
"All too often, we do smart things only after exhausting every conceivable dumb thing we could have done."

Date: Tue, 18 Apr 2000 20:24:01 -0500
From: Stuart Rohre <rohre@arlut.utexas.edu>
To: "qrp-l@lehigh.edu" <qrp-l@lehigh.edu>
Subject: [68179] Variable caps for HW8
Message-ID: <38FD0AB0.FA8BD851@arlut.utexas.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Here are some more variable cap ideas for HW8 repair.

Check out the swap meets. Variables from BC radios still appear, and at a flea market you might get the whole radio-- if case is not in good shape, not working well, etc. Then you could pull plates to make the cap the same value as the Heath ones. As I recall, they had every other plate of a standard tuning cap removed.

For new caps, (which might be adjusted to value), check out the Crystal Set Radio Society. They have a web page , but it has moved since my bookmark was new. They sell variables as does Antique Radio Supply in Tempe AZ. (There might be other vendors in "Electric Radio" magazine.)

The epoxy repair idea should work well, and a good tool to apply a small amount to the junction of the old plate and the groove is a bamboo skewer found in the grocery store for shish ka bobs. I have removed or inserted cap rotor plates with a thin needle nose pliers.

Just make sure not to bend plates where they might touch and short to stator plates.

Another thing is to add a rubber cushion or even a red mark at the ends of the dial to keep you from banging the capacitor end limit stop. The cushion could be a pencil eraser cemented in the right place to cushion the end travel.

Finally, for any old radio, BE CAREFUL and do not be ham fisted with the controls! I am always amazed at the folks who twist off screw heads, shear bolts, etc. by being too forceful with tools. Sure sign of a careless workman. There is an optimum torque, not to be exceeded.

There are those types who abuse controls as well. Maybe they should tune with only two fingers and not grab the knob with thumb and several fingers.

72, Stuart K5KVH

Date: Tue, 18 Apr 2000 18:26:14 -0700
From: Jim/Julia <w7ls@blarg.net>
To: victor@brecnet.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [68180] Re: Trail Friendly QRP.
Message-ID: <38FD0B36.CBC8F78A@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

There aren't any rigs that have all that stuff on the front, short of an army surplus radio, which I have (PRC-74, RT-1158, PRC-64, etc.), none of which are commonly available. Your best bet is to use a kit such as a DSW-40 plus a ZM-2, plus batteries, and put them in a watertight container, such as a Pelican case or plastic ammo box and arrange the controls as you like. I quite agree that it is trail UN-friendly to have anything at all coming out the back of the radio. Any and all cables are subject to breakage. You want to be able to put the rig on the ground, open the top cover, hook the antenna onto it, and operate. Nobody

makes such a rig. My 2 cents.... Jim W7LS

Victor Blackwell wrote:

> Wow, I checked my e-mail and thought a bomb (hello NSA) went off. I am
> overwhelmed with the many, many thoughtful replies. Much food for thought
> and things to ponder.
>
> Those of you who have built the kits, can you tell me which rigs are built
> up on a PC board with the control all electrically connected. Specifically,
> I mean controls, jacks, connectors. etc.
>
> I would like to put everything in a case so that everything can come out of
> the top of the cabinet. So rig can be set on the ground next or in front of
> me and operated from that position. It is common practise to have the
> controls on the front of the rig and connectors on the back. Well I don't
> think this is very trail friendly. After a little while of sitting on the
> ground and trying to read dials or what ever it is a litteral pain. (you
> name the body part) May be I am looking at this all wrong. But I have used
> lots of rigs in the field that look real pretty sitting on a desk but not
> all that functional in the field. I think you get the idea if you have been
> there.
>
> Controls on the top, connectors out the back may be just fine.
>
> Any suggestions?
>
> Vic AD8K
>
> Original Message-----
> From: Allan G Taylor <agtaylor@llnl.gov>
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Date: Tuesday, April 18, 2000 7:32 PM
> Subject: Re:Trail Friendly QRP.
>
> >Ed, you mean you had a 2nd 7AH battery in that teeny pack of yours last
> >July?? No wonder you ran out of gas at 8500'.
> >
> >Of course Ed's point is to get out and DO IT, but if someone is
> >really spec'ing a rig specifically for backpacking many of the rigs
> >will be culled out based on just the criteria I used in my
> >previous post. My K2, in spite of being a superb rig, is NOT going
> >along for an 8-day backpacking trip at altitude. It would take up
> >too much room I need for that chair, TV, VCR, large format camera,
> >kitchen sink... (Harumph!)
> >
> >The real truth is that we (N7XJ and K7GT) are going through the
> >decision steps right now as to what will go in our packs in August.

> >I think I have convinced Bob that the ZM2 needs to go along (weighs
> >7 oz by my scale). Batteries and then antennas are now the big issues.
> >(We have settled on rigs, each taking small ones for 40 and 20m--
> >this provides redundancy in case one rig dies on the trail...it
> >happens, ask Ed) I, for one, want MY pack to be some lighter than
> >last year's. No coax-fed dipoles with 50' feedline again. I will
> >be taking alkaline cell batteries (C or D cells, 10 pack) instead
> >of lead-acid batteries (higher usable energy density) and actually
> >slightly lighter than the 7Ah cell. Lithium cell packs for backup.
> >Expensive but very light. Can be used in flashlights, weather radios,
> >etc., an important detail.
> >
> >Oh, I should have mentioned the DSW-** rigs. I would rate them
> >marginal for backpacking only because their rx current draw is a bit
> >high at 35-40 mA. Their packing and features are excellent, however.
> >
> >
> >GT
> >
> >--
> >Allan Taylor K7GT agtaylor@llnl.gov
> >
> >Pleasanton CA

Date: Tue, 18 Apr 2000 19:28:05 -0600
From: Ray Colbert <af852@rgfn.epcc.edu>
To: wturansky@home.com
Subject: [68181] Re: Glowbugs
Message-ID: <38FD0BA5.91DB9C59@rgfn.epcc.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I just clicked on the bookmark for the Glowbug website as
set up by Conrad and nothing - so I assume that the server
is down. I haven't seen anything in the past few days either.

In the process of watching a PBS program called "Is Anyone
Listening", and it started out with a very nice boatanchor
station showing plainly a National NC98 receiver with a
Gonset 2 meter goony box sitting next to it - did not see'
the hf transmitter. Then it goes on to show how communications
may be heard, or radio may be heard in space, many light years
away. Some pretty good cw being sent as well.
Showed Karl Jansky from Bell Labs with his radio astronomy

antenna, and Grote Weber, noted amateur radio operator (their words) with his radio astronomy station which which he mapped the milky way and other parts of the universe. Interesting stuff.

--

"The more I see of the representatives of the people, the more I admire my dogs." letter from Count d'Orsay to John Foster 1850
Ray Colbert, W5XE, 00TC#3618, SOWP#1064M NARTE-NCT2 SOC#78
MI-QRP 379QRP-ARCI 5784 NORCAL 1110, El Paso, (FAR WEST) TEXAS

Date: Tue, 18 Apr 2000 18:35:10 -0700
From: Roger Hightower <n7kt@worldnet.att.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [68182] Re: FS: Tuners, SCAF
Message-ID: <38FD0D4E.81F06F08@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The OHR SCAF is spoken for.

Tnx/72...Roger

--

72.....Roger

Roger Hightower, N7KT Mesa, AZ K2#591 SOC #14

Date: Tue, 18 Apr 2000 20:45:14 -0700
From: "jay henson" <jbhenson@zebra.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [68183] FOR SALE Follow Up
Message-ID: <006e01bfa9b1\$ae0916c0\$92ee0cd1@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sorry for the additional noise. On my earlier post of the Ten Tec 509 I have for sale, I forgot (a senior thing) to mention 3 mods I made to the radio:

The main power and aux power phono plugs have been replaced with 5 pin DIN receptacles. I hate phono plugs.

The antenna connector (another phono plug) has been replaced with an SO-239 receptacle (mates with a PL-259).

I have added a XMIT FREQUENCY BNC receptacle on the middle of the back chassis. With an Almost All Digital Electronics DF-1 frequency counter and its ability to have an offset (+ or - with a switch), I can read the 509 transmit frequency directly. No VFO pulling with the DF-1.

jay

N4XDW

QRP-L 1372 ARCI 8131 SOC 220

"All too often, we do smart things only after exhausting every conceivable dumb thing we could have done."

Date: Tue, 18 Apr 2000 18:21:43 -0700
From: Elliott Lawrence <edl@pacbell.net>
To: qrp-l@Lehigh.EDU
Subject: [68184] Portable Antenna
Message-ID: <38FD0A27.360B@pacbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

I had a chance to talk to Eric and see a K2 in the flesh at the Visalia DX Convention over the weekend. Neat looking radio...seriously considering ordering one with all of the bells and whistles!!!

I also saw the W6MMA portable HF antenna. That sure is nice to have it condense into 12 inch long sections. Any comments from anyone using the antenna on how it performs etc? Any info on the new screw driver version?

Direct replys appreciated to keep the chatter reflector down.

Tnx es 72

Elliott WA6TLA

Date: Tue, 18 Apr 2000 19:52:50 -0600 (MDT)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [68185] PROP: Corrections to calculations
Message-ID: <Pine.SUN.4.10.10004181938060.29270-1000000@shell.rt66.com>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,

Sunday I posted some calculations regarding the speed of the shock wave from a solar flare. The calculations were in error by a factor of ten. Not sure what I was thinking :-(I clearly understand that the solar wind falls in the range of around 300-1000 km/sec., but my numbers much larger than that did not trigger any nerve endings at the time I guess. The correct calculations are shown below. I apologize for the mistake. I know many enjoy the solar information I post to learn from it, and hate to know I accidentally pass on bad information. I guess between trying to put up a new antenna mast and roto-tilling the garden in the NM heat was too much Sunday afternoon -hi.

I'm also pleased that quite a number of readers noticed the error and reported it. You get an A on *your* homework assignment! Good work.

*** CORRECTED COPY ***

On Sun, 16 Apr 2000, Paul Harden, NA5N wrote:

> Here's some math on this event for those so interested.
> (Times rounded to nearest hour, UTC, for simplicity)
>
> 13 APRIL 2200UTC C-class flare and a partial-halo CME.
> 16 APRIL 1000UTC ACE Spacecraft detects the shockwave from above CME.
> This triggered a minor geomagnetic storm with the
> K-index at 5 from about 1000 to 1500 UTC 16 APR
>
> Total travel time of the CME shockwave was 2days, 12 hours, or 60 hours.
> The sun is about 93 million miles (150 million km) from the earth.
>
> HOW FAST WAS THE SHOCKWAVE TRAVELING?
>
> Divide 93 million miles by 60 hours = 1.55 million miles per hour
> divide by 3600 seconds = 430 miles per second
>
> In the metric system:
> 150 million km / 60 hours = 2.5 million km per hour
> divide by 3600 seconds = 694 km per second

The original values for miles/sec. and km/sec. were in error.
The so-called "average" solar wind is about 350 km/sec., so the nearly 700 km/sec. shock was indeed quite significant.

Sorry for the error.

72, Paul NA5N

Date: Tue, 18 Apr 2000 21:14:19 -0500
From: Vance Huntsinger <vhuntsinger@iwic.net>
To: qrp-1@Lehigh.EDU
Cc: Dave@smallwonderlabs.com
Subject: [68186] DSW-40 and Small Wonder Labs
Message-ID: <4.2.0.58.20000418210240.009dc770@mail.iwic.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

Just received my DSW-40 kit last Thursday. A couple of parts were missing, so I emailed Dave Benson Friday afternoon. I received a return email from him later THAT SAME AFTERNOON, saying the parts would be in the mail the next morning. I received them here in Illinois today--fantastic service! I think it's a beautiful kit. No, I have no connection to Small Wonder Labs.

Vance, WA9YDJ

Date: Tue, 18 Apr 2000 22:26:38 -0400
From: "David Porter" <dporter@voicenet.com>
To: "qrp-1" <qrp-1@Lehigh.EDU>
Subject: [68187] Re: Tyvek for Scott Sled Kite (antenna hook)
Message-ID: <200004190226.WAA97250@nss4.cc.lehigh.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

So far I have takers for 6 pieces if I get 4 more, I'll do it.

9 ft by 10 ft piece, approx. \$10 each

David Porter
dporter@voicenet.com

Date: Tue, 18 Apr 2000 22:27:37 -0400
From: Al Patrick <arp@inet4u.com>
To: edl@pacbell.net
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>

Subject: [68188] Re: Portable Antenna
Message-ID: <38FD1998.1E4EC939@inet4u.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Elliott Lawrence wrote:

> I had a chance to talk to Eric and see a K2 in the flesh at the Visalia
> DX Convention over the weekend. Neat looking radio...seriously
> considering ordering one with all of the bells and whistles!!!
>
> I also saw the W6MMA portable HF antenna. That sure is nice to have it
> condense into 12 inch long sections. Any comments from anyone using the
> antenna on how it performs etc? Any info on the new screw driver
> version?
>
> Direct replys appreciated to keep the chatter reflector down.
>
> Tnx es 72
> Elliott WA6TLA

While some *might* protest this discussion, I'd like to hear the antenna discussion.

73,

Al

--

"The Truth is Hate, to Those Who Hate the Truth"

Date: Tue, 18 Apr 2000 21:59:43 -0500
From: "Dan Reynolds" <bcdlr13@home.com>
To: "qrp-L Reflector" <qrp-l@Lehigh.EDU>
Subject: [68189] Good Wire Antenna
Message-ID: <002101bfa9ab\$52415ba0\$67cc0f18@c375497a>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I don't know what the best wire antenna is but I do know about a simple, easy good operating one. I have an inverted vee fed with 450 ohm ladder line to a tuner. It will tune up anywhere and seems to hear and get out

very well. I am fortunate to have a very tall white pine tree in my front yard very close to where the shack is. I think the vertex of the vee is up about 65' and the legs of the vee are 50' each (100' total wire). The wire was old "from the pole to the house wire" from a friends farm. It has that tar cotton insulation on it. I've got the ends of my vee spread out as far as I can and they are 15'++ above ground (probably closer to 20'). What I like about it is that it is so simple. I'm using one of those cross needle tuners with it. Works good with my Kenwood TS-830S and I hope to soon find out how it works with my SW DSW-40. I'm sure there are better wire antennas but an inverted vee fed with balanced line probably has the most bang for the buck. Oh, you can use twin lead (I did at first) but ladder line works much better.

Dan KB9JLO

Date: Tue, 18 Apr 2000 23:05:04 -0400
From: "Ken Hanks" <captnfd@yahoo.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [68190] HW-8 tuning cap
Message-ID: <009101bfa9ac\$12922560\$04128ad1@acer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I managed to epoxy the tuning cap back together. Many thanks for all the suggestions.

When the plates fell onto the circuit board, they must have shorted something. Rig does not key up. The receiver works, but I do not pick up any CW, only short-wave BC stations. I suspect that I changed the capacitance when I re-assembled the cap.

Oh well, I did want a rig to experiment with.

73,
Ken Hanks K1XS
Naugatuck, CT
CaptNFD@yahoo.com

Date: Wed, 19 Apr 2000 03:38:58 -0700
From: KB7WW Art Moe <kb7ww@chatusa.com>
To: qrp <qrp-1@lehigh.edu>, Ant <antennas@qth.net>

Subject: [68191] Open wire fed inverted "V" ????
Message-ID: <38FD8CC2.79F31D70@chatusa.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

If you were going to put up a Inverted "V" for 80 through 10, feed 300 ohm line about 200 ft long, and the apex at 65 feet. How long would you make the legs ??? What apex angle ??? and why ???

Thanks for the help.

Art
KB7WW

Date: Tue, 18 Apr 2000 23:47:25 -0400
From: KD1YV <kd1yv@mindspring.com>
To: Wb8siw@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [68192] Re: Royal Order of Wouff Hong
Message-ID: <38FD2C4D.BD421495@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

Jim,

Great piece of reading, thanks. Regarding the suggesting for a "revival" of the ritual, I am pleased to report that it has been in practice at the ARRL New England Division Convention at Boxboro, Mass. for a number of years. I believe that it is the Radio Amateur Society of Norwich (CT) (RASON) that does a fine job of the ceremony at midnight. If anybody wants to join, it's the last weekend of August this year.

I am pleased to be a member in good standing, as are all of the members of my Ham family. In fact, my younger daughter narrowly missed (by only a few minutes) the opportunity to be the "Young Ham" inducted in front of all of the other participants. Have you ever seen those cartoons where one character is trying to get another through the door, and the resistor has both feet, both arms and her head braced against the door frame? :-)

--

72/73 de Jim, KD1YV
All of my friends must be related. Every one has @ in his/her name.

Wb8siw@aol.com wrote:

> I thought some of you might enjoy this little article I put together for an
> issue of "Net News" (the Michigan QMN Net Newsletter) a while back.....might
> give some insight into the Royal Order of Wouff Hong. Credit for much of the
> story goes to early QSTs as well as an early Michigan Publication entitled
> "Michigan Radioist."

>

> 73, Jim WB8SIW

>

> Did you know that Amateur Radio has a secret society? Not quite as big or as
> well known as the Masons or the Odd Fellows, the Royal Order of Wouff-Hong is
> nonetheless a fun part of the history of Amateur Radio. Not only that, did
> you know it was founded here in Flint, Michigan?

> {snip}

> Today, few of our new radio amateurs have ever heard of the Wouff-Hong, let
> alone the exalted secret society which bears its name. This is undoubtedly a
> shame, for many would agree that the time has come to dust off this
> instrument and put it to work in the dark alleys and dens of depravity in
> which some of today's operating practices take place. Of course, to do so
> requires a loyal army of those souls sworn to uphold order and decorum in the
> Amateur Service. Where better to find these Amateurs than in the ranks of
> the ROWH. Might it be time for a revival?

Date: Tue, 18 Apr 2000 23:55:13 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [68193] Sorry K0EVZ QSL's are being delayed
Message-ID: <200004182357_MC2-A1B7-4BD5@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain;
 charset=us-ascii
Content-Disposition: inline

Gang:

I have fallen behind with my QSLing. Multiple heart attacks have not helped. Plus I get about 100 or so a month, just from the USA. At any rate, I hope to have *yours* in the mail by the middle of next week. Fingers crossed here.

72,

--Doc Lindsey/K0EVZ

DSBF

PO BOX 6028

Bismarck, ND 58506

(Shipping: DSBF, 2020 Lovett Ave, Bismarck, ND 58504)

K0EVZ@arrl.net

Date: Tue, 18 Apr 2000 23:55:15 -0400

From: "Wilford D. Lindsey" <70511.3041@compuserve.com>

To: "INTERNET:fpqrp@egroups.com" <fpqrp@egroups.com>

Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group
<QRP-L@Lehigh.edu>

Subject: [68194] [fpqrp] FISTS Sprint Sprint

Message-ID: <200004182357_MC2-A1B7-4BD6@compuserve.com>

MIME-Version: 1.0

Content-Transfer-Encoding: 7bit

Content-Type: text/plain;

charset=us-ascii

Content-Disposition: inline

Dan:

I would be more than willing to do some/all of this, depending on the exact. Sorry I am on an emergency trip to help buy my mother in law, who died without warning.

Anyway, here's one guy willing to help with the job. I *will*, however, want help with the scoring.

72,

--Doc Lindsey/K0EVZ

DSBF

PO BOX 6028

Bismarck, ND 58506

(Shipping: DSBF, 2020 Lovett Ave, Bismarck, ND 58504)

K0EVZ@arrl.net

Date: Wed, 19 Apr 2000 00:04:30 -0400

From: Barry J Minsky <w2bj@juno.com>

To: edl@pacbell.net

Cc: qrp-l@Lehigh.EDU

Subject: [68195] Re: Portable Antenna

Message-ID: <20000419.000630.-77685.0.w2bj@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Hi Elliot,

I have the W6MMA portable PW1. I have used it on 2 vacations and found it to work extremely well. I used it with my K2 and with my Sierra. I had many good QSOs, some DX. I would highly recommend it.

On Tue, 18 Apr 2000 18:21:43 -0700 Elliott Lawrence <edl@pacbell.net> writes:

> I had a chance to talk to Eric and see a K2 in the flesh at the
> Visalia
> DX Convention over the weekend. Neat looking radio...seriously
> considering ordering one with all of the bells and whistles!!!
>
> I also saw the W6MMA portable HF antenna. That sure is nice to have
> it
> condense into 12 inch long sections. Any comments from anyone using
> the
> antenna on how it performs etc? Any info on the new screw driver
> version?
>
> Direct replys appreciated to keep the chatter reflector down.
>
> Tnx es 72
> Elliott WA6TLA

72/73,

Barry J. Minsky, W2BJ

ARRL, QRP ARCI #8871, NorCal #1560, QRP-L #1543, FISTS #2701, Century Club #569, Platinum #51, Silver #119, FISTS CW Club of Coastal Georgia, Knightlites, Adventure Radio Society #359, Six Club #151, QCWA #29298, OOTC #3723, SOC #193

Date: Tue, 18 Apr 2000 22:48:03 -0700

From: "K7FD-N7SG" <cqdx@teleport.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [68196] Zombie Pin reaches end of Oregon Trail!!

Message-ID: <004d01bfa9c2\$d54e6ee0\$5f231ad8@default>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Yahooo!! Pony Express finally reached the end of the Oregon Trail with my ZOMBIE PIN!!! What a fine business BIRTHDAY PRESENT -- Thank you! I absolutely love it - a true piece of artwork. If you haven't seen the Zombie Pin...mine's proudly on display
(<http://www.teleport.com/~cqdx/page22.htm>)...

...but beware, those who gaze upon it during a full moon (like tonight!!) come under a very strong qrp spell...

Best 72, John K7FD Norcal Zombie 736
Seal Rock, Oregon (where our rocks leak, so we have seals on them)

Date: Tue, 18 Apr 2000 23:38:03 -0700
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateru Radio Discussion <qrp-l@lehigh.edu>
Subject: [68197] Re:Trail Friendly Radio
Message-ID: <38FD544B.8E9A26A4@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang, K7GT is right on about his take on hiking with gear.

His setup is pretty darn organized and I learned a lot.

The USMC hidden inside me says I can carry anything I'm handed so I brought all the gear I wanted to.

My point, as Allan pointed out is to just do it. So many people get bogged down on what to take, whether it will work or what not.

Do it and learn what works and doesn't -- come back and tell us abt it!

Now, I'm not a "AA" battery kind of guy so I'll bring two 7 AH batteries and power my lamp off it too.

Since I sprouted my food, I had a lot of room.

I'll miss my bug on the next hiking trip, but I know it survived and is always a possibility.

But the next trip gets the MK-88 paddle.

Gotta run. GN. -Ed

--

72/Ed we6w; A-1 OP; SOC#63; QRPL#1068
<http://www.qsl.net/we6w> Santa Rosa, CA
My 2 pennies worth is just common cents.

Date: Wed, 19 Apr 2000 01:43:05 -0500
From: "Ed Manuel (N5EM)" <n5em@flash.net>
To: qrp-l@lehigh.edu
Subject: [68198] Re: Trail Friendly QRP.
Message-ID: <4.1.20000419013913.009b1a20@pop.flash.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I don't know, Jim. The Bobcat comes about as close as anything :-)

<http://www.jja-instruments.com/radio.html#anchor375031> Nope. I don't work for him.

Ed, N5EM

>Nobody
>makes such a rig. My 2 cents.... Jim W7LS

Date: Wed, 19 Apr 2000 01:17:22 PDT
From: "Leon Heller" <leon_heller@hotmail.com>
To: Doug.Davies@gems3.gov.bc.ca, qrp-l@Lehigh.EDU
Subject: [68199] Re: More Toroidal Questions
Message-ID: <20000419081722.57045.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>>Another question regarding toroids. I'm building an SWR indicator from a
>circuit described in the QRP Notebook. It requires a 1uH RF choke. Rather
>that buying one of these, can I wind one on a toroid? I have some info

>that
>says I can get 1uH by winding 14 turns of #28 wire on a T50-2 core. Will
>this serve the same purpose as a store bought 1uH RF choke? In other
>words,
>will the toroidal one work in this application as opposed to an axial lead
>part?

Not with a T50-2 core. It's not ferrite so you won't get enough inductance.
A ferrite bead is the thing to use.

73, Leon

--

Leon Heller, G1HSM

Tel (work): +44 1327 357824 Tel (mobile): +44 79 9098 1221

InfraRed Integrated Systems Ltd., Towcester Mill, Towcester, Northants.,
NN12 6AD, United Kingdom.

Email:leon_heller@hotmail.com

Web page: <http://www.geocities.com/SiliconValley/Code/1835>

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Wed, 19 Apr 2000 06:30:16 -0400

From: "Pastor-kc1di" <ELBC@PIVOT.NET>

To: "KB7WW Art Moe" <kb7ww@chatusa.com>, "qrp" <qrp-1@lehigh.edu>, "Ant"
<antennas@qth.net>

Subject: [68200] Re: [Antennas] Open wire fed inverted "V" ????

Message-ID: <003401bfa9ea\$41d235c0\$3c7961ce@elbc>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "KB7WW Art Moe" <kb7ww@chatusa.com>

To: "qrp" <qrp-1@lehigh.edu>; "Ant" <antennas@qth.net>

Sent: Wednesday, April 19, 2000 6:38 AM

Subject: [Antennas] Open wire fed inverted "V" ????

> If you were going to put up a Inverted "V" for 80 through 10, feed
> 300 ohm line about 200 ft long, and the apex at 65 feet. How long
> would you make the legs ??? What apex angle ??? and why ???
>
> Thanks for the help.
>
> Art
> KB7WW
>
> -----
> Submissions: antennas@qth.net
>

Hi Art,

I'm Sure you'll get many favorite answers to your Question.. But with the information that you provided I would Make the Legs about 66 feet Long each.. (This is not critical at all since your feeding with balanced line as long as you keep the overall length of the antenna at least 3/8 wave on the lowest frequency desired) the Apex angle would be optimum at about 120 degrees as you approach 90 degrees you get cancelation of the fields and thus loose in gain. and it becomes more difficult to get a match , and the match tends to be narrower and sharper at the tuner.

Also just some advice-- Go with the 450 ohm ladder line or homebrew some real open wire line.. 200 ft of 300 ohm will exhibit quite a change in tuning with the weather, IE. when wet it can be quite lossy. But it will work.

Hope this helps
73 Dave kc1di

Date: Wed, 19 Apr 2000 3:56:00 PDT
From: paule@sfu.ca
To: qrp-1@Lehigh.EDU
Cc: qrp-canada@lists.gpfn.sk.ca
Subject: [68201] DSW 20 question
Message-ID: <200004191056.DAA23230@rm-rstar.sfu.ca>
Content-Type: text/plain
Content-Disposition: inline
Mime-Version: 1.0

I have just completed my DSW 20 and everything seems fine, but the

power output seems a little low. I measure about 1.25w with 12.89volts rather than the 2.5 the manual mentions. Is this normal, or do I have a problem? I am measuring with my WM1, so I believe the readings are accurate.

Thanks in advance.

cheers, Paul - VA7NT (ex VE7CQK)

Date: Wed, 19 Apr 2000 07:55:51 -0400
From: "Scott Howell" <n3bby@speakeasy.org>
To: <qrp-1@lehigh.edu>
Subject: [68202] Sierra for sale to Silverspring
Message-ID: <012601bfa9f6\$362e0da0\$b58cb683@hq.nasa.gov>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Someone contacted me on the list regarding the purchase of my Sierra. You live in Silverspring and I can't find the msg you sent me. The Sierra is available if you'd still like it. Please contact me at n3bby@speakeasy.org.

tnx es 72 de Scott/n3bby

Date: Wed, 19 Apr 2000 07:22:09 -0500 (CDT)
From: ac5ez@webtv.net (K1zw)
To: qrp-1@Lehigh.EDU
Subject: [68203] Re: Open wire fed inverted "V" ????
Message-ID: <4904-38FDA4F1-374@storefull-113.iap.bryant.webtv.net>
Content-Disposition: Inline
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)

Mine was 120 feet over all , fed with 450 ladder line to a remote tuner , then to 10ft of big coax to a heathkit 2060a tuner, worked all bands quite well. You want 90 degress or better if possible between legs because the smaller the angle the more signal cancelation

k1zw

Date: Wed, 19 Apr 2000 08:29:01 -0400
From: "Lau, Zack, W1VT" <zlau@arrl.org>
To: qrp-1@Lehigh.EDU
Subject: [68204] Re: Trail Friendly Qrp Rig
Message-ID: <125490A005E3D3118C9C00805FC743CC421402@mail.arrl.org>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

I discovered the SWL+ series will only do 40/hour in Sweepstakes.
(must be the radio that is the limiting factor, not the operator :-))

None of the connectors or controls are board mounted, so
there shouldn't be any problem with packaging it so that all the
controls and connectors are mounted up front.
--Zack W1VT

Date: Wed, 19 Apr 2000 08:54:55 -0700
From: paul taylor <ptay1@miro.bestweb.net>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [68205] FS mm3
Message-ID: <3.0.32.20000419085453.00695be8@pop.bestweb.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I have an MM3 for sale.

Also I am not receiving my own post.

Date: Wed, 19 Apr 2000 06:55:47 -0500 (CDT)
From: Joe Reed <joe@n9jr.dyndns.org>
To: Vance Huntsinger <vhuntsinger@iwic.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [68206] Re: DSW-40 and Small Wonder Labs
Message-ID: <Pine.LNX.4.05.10004190648080.4063-1000000@n9jr.dyndns.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Let me add my two cents as well. After the long wait my DSW came on Saturday while I was at work. I had a parts question while inventorying the parts on Sunday. Dropped Dave an email and I had a reply before noon. Amazing.

And I agree it is a sweet kit to build. Tonight I will wire up the connectors and apply power. I can hardly wait to get out of work!!

Joe

On Tue, 18 Apr 2000, Vance Huntsinger wrote:

> Just received my DSW-40 kit last Thursday. A couple of parts were missing,
> so I emailed Dave Benson Friday afternoon. I received a return email from
> him later THAT SAME AFTERNOON, saying the parts would be in the mail the
> next morning. I received them here in Illinois today--fantastic service! I
> think it's a beautiful kit. No, I have no connection to Small Wonder Labs.

Date: Wed, 19 Apr 2000 08:37:48 -0500
From: w8ln@ifreedom.com
To: qrp-l@lehigh.edu
Subject: [68207] Re: Royal Order of Wouff Hong
Message-ID: <200004191340.JAA32016@nss4.cc.lehigh.edu>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

>A small
>glitch occurred when the Michigan Central Railroad misplaced the
>trunks
>containing the \$1200 dollars worth of robes and parpaphenalia
>while enroute
>to Chicago (shades of Amtrak?).

More like shade of airlines. Amtrak's not the one losing luggage these days.

Wouff Hong email filter on.

73 Bryan W8LN
<http://homestead.juno.com/lnrr/index.html>

This email account is used for email lists. Some of these lists require heavy filtering because of the high junk level. Please send replies to w8ln@arrl.net to insure that I receive your message.

Date: Wed, 19 Apr 2000 09:14:18 -0700
From: "jay henson" <jbhenson@zebra.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [68208] SOLD
Message-ID: <006c01bfaa1a\$514dfb80\$7a0f0cd1@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The TenTec 509 and JPS NIR-12 are both sold. Thanks to all for the interest. I have responded to everyone that showed interest and am maintaining a list in order of date/time received, in case things don't work out.

My very best to all.

jay
N4XDW
QRP-L 1372 ARCI 8131 SOC 220
"All too often, we do smart things only after exhausting every conceivable dumb thing we could have done."

Date: Wed, 19 Apr 2000 08:23:39 -0600
From: "Dave Ek" <ekdave@earthlink.net>
To: <qrp-l@lehigh.edu>
Subject: [68209] Re: OT - VE question
Message-ID: <003501bfaa0a\$dcc4e7b0\$3f813389@ekdant>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hal,

I must disagree with the reply you received on this question. I've been a VE for two years and have been involved in administering two sending tests. In each of these cases the sending test was requested by the examinee after

several failed attempts at passing the 13 wpm test. In one case the gentleman taking the test was hearing impaired to a degree which made it difficult for him to copy the tones used on the tape. I don't recall the exact circumstances for the other case.

The FCC gives the various VEC's a certain amount of latitude in accommodating those with special needs, and views a successfully-passed sending test on a par with the standard receiving tests. At least in the case of the ARRL VEC, the VE team has the authority to consider these special requests on a case-by-case basis and to require supporting documentation if they feel it is necessary to justify the accommodated test procedure.

I have heard, however, of VE teams which would refuse to provide such accommodations. It truly is up to the discretion of the VE team, and as with all things, opinions vary. If an individual feels that he or she needs special accommodation when taking an examination at a VE session, that person should contact the VE team administering the exams in advance of the test session so that the VE team can evaluate the request and make any necessary arrangements if it is granted.

73,

Dave AB0GO

>> Doesn't the FCC allow a person to send the code at the
>> specified speed to
>> qualify? I believe this is so. That way a hearing impaired
>> person could
>> qualify without having to synchronize some device to a VE's
>> tape player.
>>
>> Hal
>>
>No 'fraid not Hal. In fact if it weren't for the accommodative
>procedures for the handicapped everyone would have to copy by ear
>since section 97.503(a) states that "A telegraphy examination
>must be sufficient to prove that the examinee has the ability to
>send correctly by hand and to receive correctly by EAR texts in
>the international Morse code....." The sending test has been
>dropped since "the FCC has found that anyone able to receive the
>code can send it as well".
>Got to be able to receive somehow at 5 wpm, sorry!

Date: Wed, 19 Apr 2000 09:23:47 -0500
From: "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>
Subject: [68210] PRC-75
Message-ID: <0974781F4FC8D211A24600902727E806011B20EF@saturn.rose.cc.ok.us>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Someone was asking about a PRC-75. I thought that I might have one, but it turned out to be a PRC-71. Not the same rig, but it got my interest up in getting it on the air. Nice little QRP rig with a handful of crystals. A bit heavy for backbacking, but I have three other matching radios for different VHF bands and the "Backpack" that they go in that some poor guy had to lug around on his back during WWII.

Hal

Date: Wed, 19 Apr 2000 08:40:03 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: K7FD-N7SG <cqdx@teleport.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [68211] Re: Zombie Pin reaches end of Oregon Trail!!
Message-ID: <Pine.LNX.3.95.1000419083853.1011E-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

How about sending that pony across the border now John, after some good food and a rest of course....I can hardly wait to see mine...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

On Tue, 18 Apr 2000, K7FD-N7SG wrote:

> Yahoooo!! Pony Express finally reached the end of the Oregon Trail with my
> ZOMBIE PIN!!! What a fine business BIRTHDAY PRESENT -- Thank you! I
> absolutely love it - a true piece of artwork. If you haven't seen the Zombie
> Pin...mine's proudly on display
> (<http://www.teleport.com/~cqdx/page22.htm>)...
>
> ...but beware, those who gaze upon it during a full moon (like tonight!!)
> come under a very strong qrp spell...
>
> Best 72, John K7FD Norcal Zombie 736

> Seal Rock, Oregon (where our rocks leak, so we have seals on them)
>

Date: Wed, 19 Apr 2000 11:34:08 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [68212] Omni C **SOLD**
Message-ID: <200004191139_MC2-A1D4-7900@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain;
 charset=us-ascii
Content-Disposition: inline

Gang:

Well the Ten-Tec Omni C has been spoken for, and the buyer will be mailing his check today. He is going to receive a terrific rig soon.

Anyway, thanks for the many inquiries. It is heartening right now, and also verifies that the rig is a great one.

72,

--Doc Lindsey/K0EVZ
DSBF
PO BOX 6028
Bismarck, ND 58506
(Shipping: DSBF, 2020 Lovett Ave, Bismarck, ND 58504)
K0EVZ@arrl.net

Date: Wed, 19 Apr 2000 11:34:00 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: Jeff Davis <jeff@n9avg.org>
Cc: QRP-L Discussion Group <QRP-L@Lehigh.edu>
Subject: [68213] Omni = she's yours :-)
Message-ID: <200004191139_MC2-A1D4-78FC@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain;
 charset=us-ascii
Content-Disposition: inline

Jeff:

Congratulations!!--you are the new owner. I have already written the others to say sorry, but the rig has been spoken for. Will also release a "sold" note to the reflector, to stop the flow of inquiries. I am glad this great rig is going to a home where it will be taken care of and appreciated. Great rig.

BTW, you can go ahead and send a check or money order, your choice. Have never had any bad luck with checks. I myself always use bank money orders, because some banks don't consider checks "cleared" for several days. But makes no difference here in Bismarck.

My mailing address is: W.D. Lindsey

DSBF
PO Box 6028
Bismarck, ND 58506

I will have the rig, power cord, all original documentation, etc., ready to go to UPS as soon as your check arrives. I always send rigs insured UPS, double-boxed, etc., and have never had one lost or damaged.

72,

--Doc Lindsey/K0EVZ

DSBF

PO BOX 6028

Bismarck, ND 58506

(Shipping: DSBF, 2020 Lovett Ave, Bismarck, ND 58504)

K0EVZ@arrl.net

Date: Wed, 19 Apr 2000 09:13:51 -0700 (PDT)
From: Steve Yates <aa5tb@yahoo.com>
To: w7ls@blarg.net, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [68214] Re: Trail Friendly QRP.
Message-ID: <20000419161351.18691.qmail@web3006.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

What about the "PRC-38S"? It has all of its connections and controls on the front ;-)

<http://www.geocities.com/aa5tb/38s.html>

--- Jim/Julia <w7ls@blarg.net> wrote:

> There aren't any rigs that have all that stuff on

> the front, short of an army
> surplus radio, which I have (PRC-74, RT-1158,
> PRC-64, etc.), none of which are
> commonly available.

=====

73,
Steve Yates - AA5TB
Fort Worth, TX - EM12gs
<http://www.geocities.com/aa5tb>
aa5tb@yahoo.com

Do You Yahoo!?
Send online invitations with Yahoo! Invites.
<http://invites.yahoo.com>

Date: Wed, 19 Apr 2000 08:51:02 -0800
From: Anthony Felino <anthony@pacinfosb.com>
To: qrp-1@Lehigh.EDU
Subject: [68215] hearing weak signals and MDS
Message-ID: <Chameleon.956161490.anthony@anthony-400>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; CHARSET=ISO-8859-1

Very interesting. I like to play with receivers and one thing I have always noticed is that bandwidth doesn't seem to have much effect on how weak a signal you can actually copy. Sometimes I think a filter makes a difference, but then I try actually copying the signal and I find no difference in real intelligibility. I can often copy signals just fine on my BC-348 that are not so easy to copy on my Drake R-4C with a 250Hz filter. On the other hand, some times it goes the other way. Most times a regenerative detector and one stage of audio will allow copy at the same level of accuracy with a weak signal. This sometimes holds true even in the presence of QRM which is totally absent in the phones of the narrowband receiver. When the QRM gets really bad, then the R-4C has the advantage, but it is less pleasant to copy. I find the regens have a very relaxing "tone" to them, and that the single-crystal filters like the BC-348 and older receivers have is less fatiguing to copy than the sharp skirted "modern" receivers. There just seems to be something about the "sound" of some receivers that makes the difference on weak signals. Has anyone quantified this?

On a related note, I wonder how many on the list use AGC and under what conditions? I use it for tuning around, but in actual QSO's I turn it off. It's tiring to listen to with fast AGC and kinda annoying on the attack with slow AGC. If I had a choice of a receiver with no AGC or AGC that couldn't be turned off, I'd take no AGC. One receiver I built had no AGC, but it had a limiter in the audio with a mild bandpass filter after it. It was simple and the distortion introduced was not objectionable.

72, WN6Q

Anthony Felino, Pacific Information Design
email: anthony@pacinfosb.com
telephone: (805) 730 1565, x25

Date: Wed, 19 Apr 2000 09:37:56 -0700
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@Lehigh.EDU>
Subject: [68216] Re: DSW 20 question
Message-ID: <01bfaa1d\$9d9897e0\$36f1fc9e@ham.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Paul

The Small Wonder Labs web page shows the output power of 2.5 watts at 13.8v. Even a one volt increase will make more power available.

Personally, I wish all rigs were spec'd at 12 v, especially those that are likely to be used in the field on a 12v battery.

73, Bob N6WG

Date: Wed, 19 Apr 2000 09:40:30 -0700 (PDT)
From: Steve Yates <aa5tb@yahoo.com>
To: anthony@pacinfosb.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [68217] Re: hearing weak signals and MDS
Message-ID: <20000419164030.18415.qmail@web3003.mail.yahoo.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Anthony,

I have had the same experience that you have. I find that when using a "good" regenerative receiver it is very easy to copy weak signals and is much more pleasant to listen to.

A narrow filter comes in handy when QRM is really bad but generally as long as the QRM doesn't capture the AGC in a receiver (if equipped) or create other spurious responses I prefer to let my brain do the filtering. Over the years I have found with CW it becomes easy to decipher one tone in amidst several others but the monotone response of using a narrow filter becomes very fatiguing to me.

In response to your question I do not use AGC normally. When I'm using my TS-130V I can't turn the AGC off but I turn the RF gain down until the S-meter reads about S9 and compensate with the AF gain. It makes for more pleasing CW and the extra input to my brain from the amplitude delta between different signals helps me "filter" out the desired signal. A little AGC on strong signals sure helps in protecting your hearing though!

=====

73,

Steve Yates - AA5TB

Fort Worth, TX - EM12gs

<http://www.geocities.com/aa5tb>

aa5tb@yahoo.com

Do You Yahoo!?

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<http://invites.yahoo.com>

Date: Mon, 17 Apr 2000 17:12:22 -0500

From: "David Bixler" <DBixler@co.seneca.k12.mo.us>

To: qrp-l@Lehigh.EDU

Subject: [68218] NC20 10 Turn Pot Question

Message-ID: <200004191649.LAA24476@mailrelayperformercurymailsites.more.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

This is a question directed at the NorCal 20 experts out there.

Last night I installed a 10 turn pot in my NC20 (the NorCal kit, not the Red Hot version). The pot I used was a 5K hamfest special unit, not the specified 10K value. I also changed R9 to a value of 239 K, actual value.

The 5K pot tunes smooth and has a range of 14.015 to 14.065. My question: Is 50 KHz about the correct tuning range to be expected with a 10 turn pot, or can I tweak some resistor values to get maybe another 15 KHz of range?

Thanks and 72,

Dave

David Bixler W0CH VK2IQX
Seneca Missouri QRP-L # 618
<http://www.qsl.net/w0ch>

QRP: Minimum power, maximum fun

Date: Wed, 19 Apr 2000 13:20:52 -0400
From: haf47@juno.com
To: qrp-l@lehigh.edu
Subject: [68219] Info Wanted
Message-ID: <20000419.132054.-427857.0.haf47@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Hello everyone and thanks for reading this request.

I am searching for any radio dial templates you may have created for your home brew projects.

I have just finished a neat little regen and managed to make it look like it has been left in the rian for a month.

Specifically I am looking for something to make a neat job for placement

of frequencies.

Does anybody have any suggestions, or websites to check out?

Thanks, and please respond directly to haf47@juno.com

73, Howie

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<http://dl.www.juno.com/get/tagj>.

Date: Wed, 19 Apr 2000 13:28:03 -0400

From: "Mike Yetsko" <myetsko@insydesw.com>

To: <DBixler@co.seneca.k12.mo.us>, "Low Power Amateur Radio Discussion" <grp-1@lehigh.edu>

Subject: [68220] Re: NC20 10 Turn Pot Question

Message-ID: <005601bfaa24\$a3d43040\$2101a8c0@insydesw.com>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I'm not familiar with that radio. But the question that has to be asked is "Does the pot turn rail to rail?" If it does, then the only way to extend the range of tuning of the pot is extend the rail. Ie, make the voltage swing wider. OR make other circuit changes to make the rig more sensitive to voltage changes from the pot.

If the pot does NOT tune rail to rail, but instead has resistors in series with each end to ground or to +v, then you can either reduce those resistors or take them out entirely by shorting them. This will enhance the 'range' of your pots tuning.

However, you should use caution as just extending the range of the pot may cause other problems. The pot for example could tune 2.0v to 2.5v, and a series resistor on the end, if removed and shorted, could change that to 0.5 to 5.0. And if you are feeding this to a circuit that 'pops' at 3.0v, guess what? Not good!

If it were me, I'd look at a schematic carefully first. If I didn't have

one, I think I would just put a DVM on the wiper of the pot first thing and MEASURE what the range is from 'lock to lock'. THEN

decide how to 'enhance' it's range.

Mike

----- Original Message -----

From: David Bixler <DBixler@co.seneca.k12.mo.us>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Sent: Monday, April 17, 2000 6:12 PM

Subject: NC20 10 Turn Pot Question

> This is a question directed at the NorCal 20 experts out there.
>
> Last night I installed a 10 turn pot in my NC20 (the NorCal kit,
> not the Red Hot version). The pot I used was a 5K hamfest
> special unit, not the specified 10K value. I also changed R9 to
> a value of 239 K, actual value.
>
> The 5K pot tunes smooth and has a range of 14.015 to 14.065.
> My question: Is 50 KHz about the correct tuning range to
> be expected with a 10 turn pot, or can I tweak some
> resistor values to get maybe another 15 KHz of range?
>
> Thanks and 72,
>
> Dave

Date: Wed, 19 Apr 2000 13:33:54 -0400
From: "AI2Q Alex" <ai2q@ispchannel.com>
To: <DBixler@co.seneca.k12.mo.us>
Cc: "QRP-L (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [68221] RE: NC20 10 Turn Pot Question
Message-ID: <000001bfaa25\$700d60a0\$5c32a7d0@ispchannel.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dave:

I've found that the varicap is the predominant component in achieving VFO range. Try a few different devices of the same part number, or go with a varicap with different characteristics such as more capacitance. As with any semiconductor, they tend to vary from device to device. You'll likely find

one of the original part number that gives you the extra range in capacitance for the given voltage range you're applying to it.

-- GL es vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of David Bixler

Sent: Monday, April 17, 2000 6:12 PM

To: Low Power Amateur Radio Discussion

Subject: NC20 10 Turn Pot Question

This is a question directed at the NorCal 20 experts out there.

Last night I installed a 10 turn pot in my NC20 (the NorCal kit, not the Red Hot version). The pot I used was a 5K hamfest special unit, not the specified 10K value. I also changed R9 to a value of 239 K, actual value.

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My question: Is 50 KHz about the correct tuning range to be expected with a 10 turn pot, or can I tweak some resistor values to get maybe another 15 KHz of range?

Thanks and 72,

Dave

David Bixler W0CH VK2IQX
Seneca Missouri QRP-L # 618
<http://www.qsl.net/w0ch>

QRP: Minimum power, maximum fun

Date: Wed, 19 Apr 2000 13:44:13 -0400

From: tailfeathers@juno.com

To: cw@qth.net, qrp-l@lehigh.edu, Amateur-Repairs@onelist.com

Subject: [68222] For Sale! 10 m allmode tranceiver

Message-ID: <20000419.134415.-3994889.0.tailfeathers@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Hello Guys! I have a real nice TS5010 allmode 10 meter transceiver that I am not using. It goes from a couple watts (am or cw for qrper's) to over 20 pep on ssb, or can be turned down for ssb qrp . It also has a matching power supply and it is very modern looking like a Kenwood for instance. The power supply has an internal speaker, phono plug in the front of the cabinet. I am the original owner, non smoker and the radio was used very little. The power supply was used even less, maybe a few hours. I am trying to come up with some Dayton money. I am asking \$250.00 plus 10.00 shipping. I have a jpeg if anyone wants to see it.

Thanks Gary

n8gsj

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<http://dl.www.juno.com/get/tagj>.

Date: Wed, 19 Apr 2000 13:50:41 EDT

From: kb9iua@juno.com

To: qrp-l@lehigh.edu

Subject: [68223] OT: Price for IC-751A and accesories ??

Message-ID: <20000419.124855.5367.0.kb9iua@juno.com>

Please reply off-line, as this is potentially off-topic.

I just got back from visiting a ham friend of mine here in town who gave me the news that he and his wife will be moving to an assisted-living situation this summer. Bummer for him.

As such I might be needing to help arrange for the sale of his main rig if it will not be usable in his new living situation. Please provide me with reasonable estimates of selling price I might ask for on the following packaged set:

Icom IC-751A transceiver with matching automatic antenna tuner (AT-100) and power supply (PS-15 I believe, possibly the PS-30 or PS-55), and voice synthesizer unit (EX-310 I believe).

That package is in good to excellent condition. Due to his health reasons, it has had more off-time than on-the-air time lately.

All ideas on reasonable asking prices desired. Thanks.

Cheers/73. Kevin, KB9IUA, Rock Island IL

p.s. What is the PROM/battery problem that is supposed to plague older 751's ??

Kevin Anderson, KB9IUA, Rock Island IL EN41
e-mail: KB9IUA@juno.com Opinions all my own.

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<http://dl.www.juno.com/get/tagj>.

Date: Wed, 19 Apr 2000 11:12:46 -0700
From: Danh Le <ke6d@juno.com>
To: DBixler@co.seneca.k12.mo.us
Cc: qrp-1@Lehigh.EDU
Subject: [68224] Re: NC20 10 Turn Pot Question
Message-ID: <20000419.111246.441.1.ke6d@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Hi Dave,

I built a couple of these radios. You should be able to get 70 KHz tuning range easily. I used the recommended 10K pot though.

72 de Dan, KE6D

On Mon, 17 Apr 2000 17:12:22 -0500 "David Bixler"
<DBixler@co.seneca.k12.mo.us> writes:
> This is a question directed at the NorCal 20 experts out there.
>
> The 5K pot tunes smooth and has a range of 14.015 to 14.065.
> My question: Is 50 KHz about the correct tuning range to
> be expected with a 10 turn pot, or can I tweak some
> resistor values to get maybe another 15 KHz of range?

=====
Danh Le

Amateur Radio Station KE6D QRP-L # 1212 NORCAL # 2414 K2 # 168
ke6d@arrl.net, ke6d@juno.com

=====

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<http://dl.www.juno.com/get/tagj>.

Date: Wed, 19 Apr 2000 11:34:03 -0700
From: Allan G Taylor <agtaylor@llnl.gov>
To: qrp-l@Lehigh.EDU
Subject: [68225] Re: NC20 10 Turn Pot Question
Message-ID: <38FDFC1B.6360@llnl.gov>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I am certain that you would get the correct range if you had put in the 10k pot specified. With the 5k in there, you are getting a relatively smaller range of voltage upon tuning to the varicap as the other components in the voltage divider were not changed as well. There are two solutions that quickly come to mind.

1) Change the values of the fixed resistors on either end of the tuning pot to 1/2 of the original value.

or

2) Put in a by-gosh 10k pot and put the 5k back in the parts stash.

2) is preferred as no other components will need to be messed with and also the current through the voltage divider network will be 1/2 that of option 1. I know its not that much , especially as part of the relatively high current draw of the NC20, but minimized current drain is a good habit to get into.

73

GT

--
Allan Taylor K7GT agtaylor@llnl.gov

Date: Wed, 19 Apr 2000 12:36:13 -0600 (MDT)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: qrp-1@lehigh.edu
Subject: [68226] [PROP] 18Apr CME "Movie"
Message-ID: <Pine.SUN.4.10.10004191000140.2522-100000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,

There was an unusually distinct coronal mass ejection (CME) yesterday captured by the SOHO satellite. It is easily seen at:
<http://spacescience.com/>

The small "movie" of the CME will be in the upper right hand corner of the homepage, and can be enlarged by clicking on it.

If you can't picture what a CME or the shock wave from a flare is, I recommend you look at this website. Makes it easy to picture. This is a classic "text book" CME. The CME comes off the sun on the lower right quadrant. It is an expanding ring, or "halo" type CME. This halo is the shock wave traveling outward from the sun, carrying with it the hot solar mass. This CME will not effect the earth, since this shockwave is blowing outward AWAY from our ecliptic plane (the plane upon which the planets revolve around the sun).

But for illustration purposes, imagine the earth being on the lower right corner of the image. One can pretty much see how as the shock wave expands outward, it will eventually overcome the earth, and how the shockwave will suddenly compress our magnetic field as it passes by. This shockwave arrival at earth is what triggers geomagnetic storms. And it is this shockwave that takes 2-3 days to travel towards the earth.

Another thing this short movie shows is how at the onset of the CME, the shock wave is shaped rather conical, or elongated. This is the mass flowing along the sun's magnetic field lines OF THE DISTURBANCE. As it travels outward through these field lines, then it becomes more circular in shape as escape velocity is achieved to breakaway from the sun and no longer confined by the sun's magnetic fields.

In order for the shockwave from a flare or CME to effect the earth, it must originate near the center of the sun. Then as the expanding shock wave travels outward, it will flow along the ecliptic plane along with the solar wind to strike the earth. Oddly, the shockwave from the sun that will strike the earth is the most difficult to "see" (even by the satellites) since we are looking into the shockwave (like looking at the edge of a dime) so it will only be a narrow line coming at us. Furthermore, it cools off as it travels towards us, so the background

temperate of the sun is brighter. That's why we have the SOHO, LASCO and ACE satellites at various distances from the earth to detect the passage of the shockwave, since one heading directly towards us is the most difficult to see. This also explains why in past solar maximums, some of the strongest geomagnetic storms on earth, triggered by a strong shockwave, was never detected, and for long were considered unexplained events. It's where the term "sudden ionospheric disturbance" or SID came from. "Sudden" in the sense that nobody knew what triggered it. I've noticed that during this solar cycle, I have seen the term SID used only once or twice. The others are clearly the result of a satellite detecting the passage of a shock wave ... even though not visible.

Enough solar stuff for now :-)

72, Paul NA5N

Date: Wed, 19 Apr 2000 14:38:23 -0400
From: "Mike Yettsko" <myetsko@insydesw.com>
To: <ke6d@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [68227] Re: NC20 10 Turn Pot Question
Message-ID: <004801bfaa2e\$8e2e9be0\$2101a8c0@insydesw.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

You know, if the circuit for the pot had limiting resistors at either end, and the pot was supposed to be 10K, and was replaced with a 5K, that would cut the range back. How much would depend on the value of limiting resistors. But if the resistors were 5K each end, and the pot was 10K, then the pot would swing a total of about 1/2 the supply voltage (assuming the circuit was ground to supply). If you replaced that 10K pot with a 5K, and didn't change the end on resistors, the total swing of the pot would now only be 1/3 of the supply voltage. In both cases centered between ground and +. So if the original poster changed the pot value, he'd better check to see if there's something else to change as well!

Mike

> Hi Dave,
>

> I built a couple of these radios. You should be able to get 70 KHz
tuning
> range easily. I used the recommended 10K pot though.
>
> 72 de Dan, KE6D
>
>
> On Mon, 17 Apr 2000 17:12:22 -0500 "David Bixler"
> <DBixler@co.seneca.k12.mo.us> writes:
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> > be expected with a 10 turn pot, or can I tweak some
> > resistor values to get maybe another 15 KHz of range?
>
> =====
> Danh Le
> Amateur Radio Station KE6D QRP-L # 1212 NORCAL # 2414 K2 # 168
> ke6d@arrl.net, ke6d@juno.com
> =====
>
>
> -----
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>

Date: Wed, 19 Apr 2000 13:44:09 -0500
From: "Kelly Ellison" <kelman@dialnet.net>
To: <qrp-l@Lehigh.EDU>
Subject: [68228] WTB: ARRL Antenna Handbook & Compendiums
Message-ID: <005601bfaa2f\$40741f00\$b9c9e0d8@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Looking to buy ARRL Antenna Handbook (last few years preferred). Also,
Interested in ARRL ANT Compendium series and other non ARRL antenna books.
Please let me know price and condition.

Thank you,

Kelly Ellison - WB0WQS

Date: Wed, 19 Apr 2000 13:40:09 -0500
From: "Mike =?ISO-8859-1?Q?N=D8WDM"?= <michaelbstjames@email.msn.com>
To: "qrp reflector" <qrp-1@Lehigh.EDU>
Subject: [68229] Outstanding Job by George Heron and NJ QRP Club
Message-ID: <000101bfaa2e\$b330ca80\$b6390b3f@default>

Learning to love the mailman (in our case, woman)! Opened the mailbox today and lo and behold the Atlanticon Compendium. What a fantastic job, George and the other contributors. This is a real boon to the 'travel challenged' Midwesterner. There is an abundance of illustrations and K7QO's Manhattan article covers all the bases.

Thanks again for all the effort and thanks especially for finding a way to include those of us who were only there in spirit.

Your Mom (not really)

Mike in Minnesota

Date: Wed, 19 Apr 2000 12:54:26 -0600 (MDT)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: Anthony Felino <anthony@pacinfosb.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [68230] Re: hearing weak signals and MDS
Message-ID: <Pine.SUN.4.10.10004191242260.3289-100000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 19 Apr 2000, Anthony Felino wrote:

> Very interesting. I like to play with receivers and one thing
> I have always noticed is that bandwidth doesn't seem to have
> much effect on how weak a signal you can actually copy. Sometimes
> I think a filter makes a difference, ...

The standard equation for the sensitivity of a receiver is:

$$-173\text{dBm} = \text{MDS} - \text{NF} - 20\log(\text{BW})$$

Where,
-173dBm would be the theoretic MDS of a receiver operating at 0 degrees K,
absolutely no noise (NF=Noise Figure) and a 1-Hz bandwidth.

Rearranging you get,
$$\text{MDS} = -173\text{dBm} + \text{NF} + 20\log(\text{BW})$$

Where,
 $20\log(\text{BW})$ is the power due to the bandwidth of your receiver. The narrower the bandwidth, the less noise bandwidth you have, and the signal of interest becomes a larger percentage of the noise bandwidth ... in effect, gain. This is why many of the simple QRP transceivers seem to have such good receivers, because we have a pre-filter ahead of the first mixer to limit the power going into the receiver to 100-200 KHz, while a commercial ham rig, that must cover the entire ham band, will have a much wider input bandwidth.

So therefore, the narrower your input filtering is, the better your MDS will be.

> On a related note, I wonder how many on the list use AGC and under
> what conditions? I use it for tuning around, but in actual QSO's I
> turn it off.

Personally, I find little real benefit to using AGC, and most of my HB rigs don't have it. Personal choice, of course. The biggest problem many QRP rigs is the tendency of overload due to strong, nearby signals. We may not hear them in the earphones, but it is producing power at 50KHz or whatever away ... enough to still pass through an LM386 and become the dominant power detected by the AGC circuit. Therefore, your AGC is thumping around due to another signal, not the one you are listening to.

Seems we had a big argument, err I mean discussion, at Ft. Tutuhill a couple of years ago. I think the consensus was 50% of the QRPers thought AGC was great, the other 50% thought it was useless.

Apparently, that boils down to personal choice -hi.

72, Paul NA5N

Date: Wed, 19 Apr 2000 12:02:39 -0700
From: stan@cruzio.com

To: kb9iua@juno.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [68231] OT: Price for IC-751A and accesories ??
Message-ID: <38FE02CF.D2BD6633@cruzio.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Here is a url that was posted here a few months back.

<http://www.aade.com/hampedia/prices2.htm>

kb9iua@juno.com wrote:

> Please provide me with reasonable
> estimates of selling price I might ask for on the
> following packaged set:
>
> Icom IC-751A transceiver with matching automatic
> antenna tuner (AT-100) and power supply (PS-15 I believe,
> possibly the PS-30 or PS-55), and voice synthesizer
> unit (EX-310 I believe).

>
> p.s. What is the PROM/battery problem that is supposed
> to plague older 751's ??

The problem is when the batt goes dead, the radio must be re-programmed.

To replace the batt, w/o losing the stored info, parallel some power lines so power is maintained when the old batt is removed.

Date: Wed, 19 Apr 2000 14:17:36 -0500
From: "Don Wines" <dwines@tyler.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [68232] Re: Outstanding Job by George Heron and NJ QRP Club
Message-ID: <001901bfaa33\$ecffbbe0\$a99186d0@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

Here, Here!!

I got mine in the mail yesterday. It would make a very nice addition to anyone's QRP library. Since I have never done any manhattan-style construction, Chuck Adams' (K7Q0) article alone was worth the price of admission. George and his crew did a beautiful job with the fold-out schematics, Tuna Tin 2, PSK31, surface mount kits, to mention only a few!

I would strongly recommend that you reserve your copy if any are left!

72/73

Don, K5DW

QRP-L #2083

k5dw@arrl.net

----- Original Message -----

From: Mike N WDM <michaelbstjames@email.msn.com>

Subject: Outstanding Job by George Heron and NJ QRP Club

> ... Opened the mailbox today and lo and behold the Atlanticon Compendium.
> What a fantastic job, George and the other contributors

Date: Wed, 19 Apr 2000 15:27:22 EDT

From: AD6EZ@aol.com

To: qrp-l@lehigh.edu, cw@qth.net, slochat@egroups.com

Subject: [68233] OT: WTB Mobile Mount

Message-ID: <70.28ee915.262f629a@aol.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

Hi All -

I have a Kenwood TS-680S and would like to install it in my F-150 truck. I need the mounting bracket kit - Kenwood part number MB-130. It fits the TS-140S/680S, TS-570 and the TS-690. If anyone has this kit and would like to sell it please email me direct.

Tnx -

73 es God Bless de Denny AD6EZ <><
Goleta, CA

Date: 19 Apr 00 19:35:09 America/Fort_Wayne
From: M Goins <mgoins@usa.net>
To: qrp-1@Lehigh.EDU
Subject: [68234] Solar panel info needed
Message-ID: <20000419193509.12961.qmail@aw163.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable

I recently obtained one of the folding Universal Sun Charger panels made =
by
Sunergy that are sold at Dayton (14v, .583 mA, 8 watts) and will be using=
it
to power the Sierra. I don't know what sort of manual it originally came =
with,
but if anyone has one and would be willing to make a copy, I'd be more th=
an
glad to pay for postage and copy costs. Thanks.

mike
wb5yjx

Get free email and a permanent address at <http://www.amexmail.com/?A=3D1>

Date: Wed, 19 Apr 2000 16:51:32 -0400
From: "John J. McDonough" <wb8rcr@arrl.net>
To: <DBixler@co.seneca.k12.mo.us>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [68235] Re: NC20 10 Turn Pot Question
Message-ID: <005c01bfaa41\$0c837080\$010044c0@Conor.baycty1.mi.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I get over 80KHz with a 10K pot. If you look at the schematic, there's about 20K of resistance between the supply and ground, and the 10K pot accounts for half. You have about 15K with your pot accounting for about a third, so I would have expected a slightly lower range than you are getting. R9 appears to adjust the gain of the op amp (maybe Dave can enlighten us here). Your slightly higher value for R9 may account for more range than I would expect.

Anyway, it would seem to me that you may want to reduce the sizes of both R1 and R100 almost proportionally, maybe a little less since you are getting a

little more range than expected.

If you look at the circuit, R1, R100 and VR1 make up a voltage divider between the 78L08 and ground. I can't imagine dropping this total resistance from 21.5K to, say, 10 or 15K is going to challenge the 78L05 all that much. You might come up on the value of R9 a little instead, but I'd be afraid to go too far here for fear of introducing some nonlinearity (although a little probably wouldn't be noticeable).

72/73 de WB8RCR <http://members.home.com/wb8rcr/index.htm>
didileydadidah QRP-L #1446 Code Warriors #35

-----Original Message-----

From: David Bixler <DBixler@co.seneca.k12.mo.us>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Wednesday, April 19, 2000 12:51 PM
Subject: NC20 10 Turn Pot Question

This is a question directed at the NorCal 20 experts out there.

Last night I installed a 10 turn pot in my NC20 (the NorCal kit, not the Red Hot version). The pot I used was a 5K hamfest special unit, not the specified 10K value. I also changed R9 to a value of 239 K, actual value.

The 5K pot tunes smooth and has a range of 14.015 to 14.065. My question: Is 50 KHz about the correct tuning range to be expected with a 10 turn pot, or can I tweak some resistor values to get maybe another 15 KHz of range?

Thanks and 72,

Dave

David Bixler W0CH VK2IQX
Seneca Missouri QRP-L # 618
<http://www.qsl.net/w0ch>

QRP: Minimum power, maximum fun

Date: Wed, 19 Apr 2000 17:13:29 EDT
From: n5ib@juno.com

To: qrp-1@Lehigh.edu
Subject: [68236] KITS: DSW power output measurements
Message-ID: <20000419.161207.8255.1.N5IB@juno.com>

There have been a few questions and comments about the power output of the DSW transceivers. Here's a table of actual measurements of power to a dummy load as the supply voltage is varied. Power is calculated based on Vpp measured with a 50 MHz scope with x10 probe.

The fascinating thing to me is that the difference for the DSW40 between 13.5 V (a good freshly charged gel cell) and 8.0 V (a 9 V battery straining to meet the load) is just 4.5 db, less than an S-unit, probably only modestly noticeable at the far end. For the DSW20 it's 7 db, just a bit more than 1 S-unit.

I've made no attempt to "optimize" either rig. They are just built stock, straight out of the kit bag. Others with better tweaking skills could no doubt do better. But as for me, I'm happy as a clam, err..., oyster, err... crawfish (actually, with crawfish prices above \$3/lb, boiled, here in LA I'll have to settle for salad shrimp).

Supply V	DSW-40	DSW-20
15.0	2.25 W	2.10 W
14.5	2.10	1.96
14.0	1.96	1.82
13.5	1.82	1.69
13.0	1.76	1.56
12.5	1.63	1.44
12.0	1.50	1.32
11.0	1.27	1.05
10.0	1.05	810 mW
9.0	810 mW	600 mW
8.0	640 mW	340 mW
7.0	420 mW	200 mW

72
Jim N5IB

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<http://dl.www.juno.com/get/tagj>.

Date: Wed, 19 Apr 2000 17:41:44 -0400
From: "Ed Tanton" <n4xy@att.net>

To: "QRP-L Reflector" <qrp-l@Lehigh.EDU>
Cc: "Sam Billingsley" <SBillingsley@usaninc.com>, "Jim Stafford W4Q0" <w4qo@amsat.org>
Subject: [68237] FW: Oops... BIG TIME
Message-ID: <CKEGICNFDIMCEKEDCEHFKEIACAAA.n4xy@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Ed Tanton [mailto:n4xy@att.net]
Sent: Wednesday, April 19, 2000 4:21 AM
To: fists@qth.net; cw@qth.net
Subject: Oops... BIG TIME

Well, I did it again. I just got what was supposed to be an upgraded CD-R/W control program from Adaptec called: "WIN-on-CD v.3.7 Power Edition". It was powerful alright... and TOTALLED my entire OS HDD partition. That means unrecoverable: MS IE5 incl. all URLs; MS Outlook incl: ALL emails for the past several years, all 'Contacts'/Address book; etc. etc.

I am up and running again, as you can see, but I have no way to contact anyone beyond those email addresses I can remember, or happen to see. If I am supposed to send you anything, I need an email about it-otherwise I'm dead in the water. I'm also having to figure out the email addresses of my non-qth.net reflectors (QRP-L, Drakelist, Boatanchors... to name a few.) I apologize for the BW, but there's no other way to do this.

Not even a signature left. 90% of my software must be reloaded. Not a good week.

Ed Tanton N4XY n4xy@arrl.net

Date: Wed, 19 Apr 2000 14:45:30 -0700 (PDT)
From: Steve Yates <aa5tb@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [68238] Re: hearing weak signals and MDS
Message-ID: <20000419214530.12329.qmail@web3006.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

> So therefore, the narrower your input filtering is,
> the better your
> MDS will be.

Hi Paul,

Will you please correct my understanding on this if I'm confused. Assuming no distortion effects (IMD, blocking, etc.) in a receiver the front-end selectivity should have no effect on the noise figure, unless the front-end is wide enough to allow the image frequency to be presented to the detector. In this case the noise figure would rise by 3dB.

Given your formula

$$-173\text{dBm} = \text{MDS} - \text{NF} - 20\log(\text{BW})$$

the BW refers to the effective bandwidth of the receiver, and is normally taken to be the bandwidth presented to the detector. If the equation referred to the front-end bandwidth then switching from a 3kHz I.F. crystal filter to a 250Hz I.F. crystal filter would make no difference in the NF but we know this not to be true.

I know of no equation that takes in to account the bandwidth of each stage, only the effective bandwidth of the whole receiver. With perfect filters this could actually be more narrow than the narrowest filter in the receiver. But then, who has perfect filters?

Also, I forgot who posted it but it was said earlier that a 20dB NF would decrease the MDS by 20dB. This is essentially true but at the low end of the scale it is not. What I mean is that if you have a receiver with a NF of 5dB but improve it down to a NF of 3dB, the receiver sensitivity will improve by 3.34dB, not 2dB. This is why the microwave guys take such pains to decrease their receiver's NF down to the last fraction of a dB. When the NF is above about 5dB it pretty much adds directly to the noise floor, but the lower the noise figure the more difference every dB improvement makes.

This can be shown mathematically if required but I won't bore everyone with it now :-)

=====

73,
Steve Yates - AA5TB
Fort Worth, TX - EM12gs
<http://www.geocities.com/aa5tb>
aa5tb@yahoo.com

Do You Yahoo!?
Send online invitations with Yahoo! Invites.
<http://invites.yahoo.com>

Date: Wed, 19 Apr 2000 15:47:46 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Low Power Group <qrp-1@LeHigh.EDU>, QRP-Canada <qrp-canada@lists.gpfn.sk.ca>
Subject: [68239] FS:crystals
Message-ID: <Pine.LNX.3.95.1000419154325.3106A-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Scouring through my junk box has uncovered some crystals that were used in the days of crystal controlled rigs. I've decided to offer them to everyone rather than look for someone who wants to buy them all...I think this spreads it around more fairly....assuming some are left after a couple of weeks, I might offer them as a lot...so I'm offering them at a price of \$1.00 each (Cdn or US). Please send an SASE with a note telling me which crystals you want along with the money of course...HI HI...I'll try to come up with a safe way of mailing them to you so they don't get damaged in transit...maybe I can find some bubble stuff for protection... I don't have any way of testing each crystal but because they appear to be new I hope they all work ok...

(1) Canadians should include an SASE with return postage....

(2) anyone outside Canada please throw in enough money or Canadian stamps to cover return postage.....first class postage from Canada to the U.S.A. for a regular letter is .55 cents Cdn....

(3) it will be on a "first come first serve" basis... obviously e-mail should be useful here....

(4) no cheques please....I would prefer cash or money order...(tip - I hide cash inside a smaller envelope inside the main envelope....and put

the small envelope taped inside a very dark colored sheet of paper.....
haven't lost anything over the many years yet <fingers crossed>)

(5) these are the crystals that were used to plug into rigs like the
HW-202, TR-22, etc for repeaters plus simplex operation...some have
"CTS/SCAN" on them so maybe this means they can be used in a scanner?...
they all look new except for one which has some solder traces on the
pins...after a couple of weeks I'll see what's left and maybe offer them
as a package....

(6) "T" stands for transmit and "R" for receive and I have them in plastic
drawers #1 through #15...(if no "T" or "R", I'm not sure.)

(7) they are all the HC25/U type....the listing shows the markings on the
each case which on some of them was difficult to make out with these 'ol
eyes so I took my best guess....

(8) please refer to "Drawer #_" and then quote the entire line describing
the crystal....

(9) if any problems come up with this "project" I'll deal with them on a
one-one basis.

...72 - Bruce (VE5RC+VE5QRP)

Drawer #1:-

T - 146.13 - 12.1775 - Multi 2 - quantity 4.

R - 146.64 - 15.1044 - Multi 2 - quantity 2.

R - 146.73 - 15.1144 - Multi 2 - quantity 5.

R - 146.79 - 36.3333 - Multi 7 - quantity 1.

Drawer #2:-

T - 146.04 - 12.17000 - TR22 - quantity 4.

T - 146.13 - 12.17775 - TR2200 - quantity 1.

T - 146.46 - TR2200 - - quantity 1.

T - 146.73 - 12.2275 - - quantity 2.

R - 146.64 - 15.1044 - KP202 - quantity 1.

R - 146.73 - 45.3433 - TR2200 - quantity 1.

R - 146.82 - 15.1244 - - quantity 1.

Drawer #3:-

T - 146.13 - 12.1775 - Multi II - quantity 1.

T - 146.37 - 12.1975 - Multi II - quantity 2.

T - 147.63 - - Multi II - quantity 1.

R - 146.52 - - Multi II - quantity 2.

R - 146.73 - 15.1144 - Multi II - quantity 5.

R - 146.97 - 15.1411 - Multi II - quantity 2.
R - 147.00 - - MII - quantity 1.
R - 147.03 - - MII - quantity 1.

Drawer #4:-

T - 146.04 - 12.1700 - KP202 - quantity 1.
T - 146.13 - 12.1775 - KP202 - quantity 1.
T - 146.13 - 6088.75 - HW202 - quantity 1.
T - 146.16 - - 202 - quantity 1.
T - 146.46 - - 202 - quantity 1.
T - 147.33 - - KP202 - quantity 1.
T - 147.60 - - 202 - quantity 1.

R - 146.64 - 15.1044 - - quantity 1.
R - 146.73 - 45.3433 - - quantity 1.
R - 146.73 - 15.1144 - KP202 - quantity 1.
R - 146.82 - - KP202 - quantity 1.
R - 146.76 - - 202 - quantity 1.
R - 147.60 - - 202 - quantity 1.

Drawer #5:-

T - 146.01 - - FDK - quantity 3.
T - 146.28 - - FDK - quantity 1.
T - 146.52 - - FDK - quantity 1.
T - 146.94 - 12.245 - FDK-7 - quantity 1.
T - 147.33 - - FDK - quantity 2.

R - 146.61 - - FDK - quantity 2.
R - 146.82 - - FDK - quantity 1.
R - 146.94 - - FDK - quantity 1.

Drawer #6:-

T - 146.04 - 12.1700 - Multi 7 - quantity 3.
T - 146.13 - 12.1775 - Multi 7 - quantity 4.
T - 146.22 - 12.1850 - Multi 7 - quantity 4.
T - 146.28 - - Multi 7 - quantity 2.
T - 146.34 - - Multi 7 - quantity 2.
T - 146.46 - - Multi 7 - quantity 4.
T - 146.52 - - Multi 7 - quantity 4.
T - 147.33 - - Multi 7 - quantity 1.

R - 146.64 - 45.31333 - - quantity 1.
R - 146.73 - 45.3433 - Multi7 - quantity 2.
R - 146.82 - 45.3733 - Multi7 - quantity 3.
R - 146.88 - - MII - quantity 1.
R - 146.97 - 45.4233 - - quantity 1.
R - 147.06 - - M-7 - quantity 4.
R - 147.06 - - M-7 - quantity 2.

R - 147.06 - MII - quantity 1.
R - 147.06 - FDK - quantity 1.
R - 147.33 - M-7 - quantity 1.

Drawer #7:-

T - 146.28 - 18.2850 - FT224 - quantity 1.
T - 146.52 - YEW - quantity 1.

R - 146.52 - YEW - quantity 1.
R - 146.94 - 17.51555- - quantity 1.
R - 147.06 - 17.52888- DJ96 - quantity 1.
R - 147.33 - 15.18111- FT224 - quantity 1.

Drawer #8:-

Yaesu FT-101B - 7.520 mHz - quantity 1.
MRH1 - 155.670 10-6 - quantity 1.
MRH1 - 153.830 8-6 - quantity 1.

Drawer #9:-

T - 146.00 - 12.1666 - Bomar F-6 - quantity 1.
T - 146.00 - 12.1675 - Bomar F-6 - quantity 2.
T - 146.06 - 12.1716 - Bomar 7 - quantity 1.
T - 146.20 - 12.1875 - Bomar F-6 - quantity 1.
T - 146.28 - 12.1900 - Bomar F-6 - quantity 1.

R - 146.00 - 15.0333 - Bomar F-6 - quantity 1.
R - 146.16 - 15.1533 - Bomar F-6 - quantity 1.
R - 146.34 - 15.2133 - Bomar F-6 - quantity 1.
R - 146.60 - 15.1011 - Bomar F-6 - quantity 2.
R - 146.80 - 15.1278 - Bomar F-6 - quantity 1.
R - 146.88 - 15.1311 - Bomar F-6 - quantity 1.

Drawer #10:-

T - 146.00 - FMH CC2 - quantity 1.

R - 144.45 - FMH CC2 - quantity 1.
R - 146.94 - JK 7423 - quantity 1.

- 146.67 - 15.1077 - 7546 - quantity 1. - Philips.
- 146.94 - 45.41333- 7519 - quantity 1. - Philips.

Drawer #11:-

T - 146.19 - 12.1825 - Lesmith - quantity 2.

R - 146.64 - 45.3133 - Lesmith - quantity 3.

Drawer #12:-

T - 146.13 - 12.1775 - - quantity 1.

T - 146.16 - 12.1800 - - quantity 1.
T - 146.28 - 12.1900 - - quantity 2..
T - 146.52 - 12.2100 - - quantity 1.
T - 146.73 - 12.2275 - - quantity 1.
T - 146.82 - 12.2350 - - quantity 1.
T - 146.94 - 12.2450 - - quantity 2.
T - 147.33 = 12.2775 - - quantity 3.

R - 146.13 - 45.1433 - - quantity 1.
R - 146.28 - 45.1933 - - quantity 2.
R - 146.28 - 15.0644 - - quantity 1.
R - 146.52 - 15.0911 - - quantity 1.
R - 146.88 - 15.1311 - - quantity 1.
R - 147.33 - 45.5433 - - quantity 1.
R - 147.33 - 15.1811 - - quantity 2.

Drawer #13:-

Philips - 45.213 - 7519 - - quantity 2.

- 146.94 - - MRH1 - - quantity 3.

Drawer #14:-

T - 222.55 - 18.5458 - - quantity 1.
T - 223.50 - 18.6250 - Bomar-6 - - quantity 1.

R - 222.75 - 53.0125 - - quantity 1.

Drawer #15:-

- 155-190 - - MRH-1 - - quantity 1.
T - 146.76 - Kenwood TR2200 - - quantity 1.

R - 147.06 - 15.1511 - - quantity 1.
R - 147.33 - - MII - - quantity 1.
R - 147.33 - - 202 - - quantity 1.

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Wed, 19 Apr 2000 18:17:40 -0400
From: "Mike Czuhajewski" <wa8mcq@erols.com>

To: <qrp-1@Lehigh.EDU>
Cc: "Mike Czuhajewski" <wa8mcq@erols.com>
Subject: [68240] Re: Variable caps for HW8
Message-ID: <000d01bfaa4d\$13d393e0\$5ab0db26@MCzuhajewski.EVI-INC.COM>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

K5KVH mentioned that the Crystal Set Radio Society has variable caps for sale, but didn't have a current URL for them. Here it is:

www.midnightscience.com

Go to the bottom of the opening page, click on BOOKSTORE, then page down a bit and click on Crystal Radio Kits. The variable cap (just one type) is right at the top of that page--365 pF for \$10.95. Us old timers find that a large number of dollars for something that used to be "cheap" at one time, or at least cost a smaller number of dollars :-)

I just went to an online consumer price index calculator and plugged the numbers into it to see what that would translate into in 1970 dollars, and came up with \$2.48--and that sounds about right for back then. Don't forget, when comparing prices from earlier days you do have to consider inflation :-). So these things aren't really all that expensive after all, everything considered--and at least they ARE available. Don't forget, this is a once-ubiquitous item that has almost completely disappeared from the face of the earth :-)

73 and queue our pea DE WA8MCQ

Date: Wed, 19 Apr 2000 16:28:09 -0600
From: Ray Colbert <af852@rgfn.epcc.edu>
To: qrp-1@lehigh.edu
Subject: [68241] Re: [PROP] 18Apr CME "Movie"
Message-ID: <38FE32F9.1049E9E9@rgfn.epcc.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Paul, that is quite a sight to see the CME flowing outward and just how far it goes compared to the size of the sun. 530.6 km per second is a stiff wind! And there is a lot of good info on that SpaceScience site.
<http://spacescience.com/>

Thanks for passing the info along.

73

Ray

--

"The more I see of the representatives of the people, the more I
admire my dogs." letter from Count d'Orsay to John Foster 1850
Ray Colbert, W5XE, 00TC/#3618, SOWP/#1064M NARTE-NCT2 SOC/#78
MI-QRP 379QRP-ARCI 5784 NORCAL 1110, El Paso, (FAR WEST) TEXAS

End of QRP-L Digest 1796
